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The



CHEMIST AND DRUGGIST

Established 1859

28 Essex Street, Strand, London, W.C.2.

Registered as a Newspaper

No. 2739
VOL. CXVII.

AUGUST 6, 1932

Annual Subscription (with
Diary) 20/- Single Copies 9d.

ALKALOIDS
FINE CHEMICALS
OPIUM
DERIVATIVES

MORPHINE
CODEINE
STRYCHNINE
CAFFEINE
ETC.

*Goods covered by
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offered subject to all regulations*

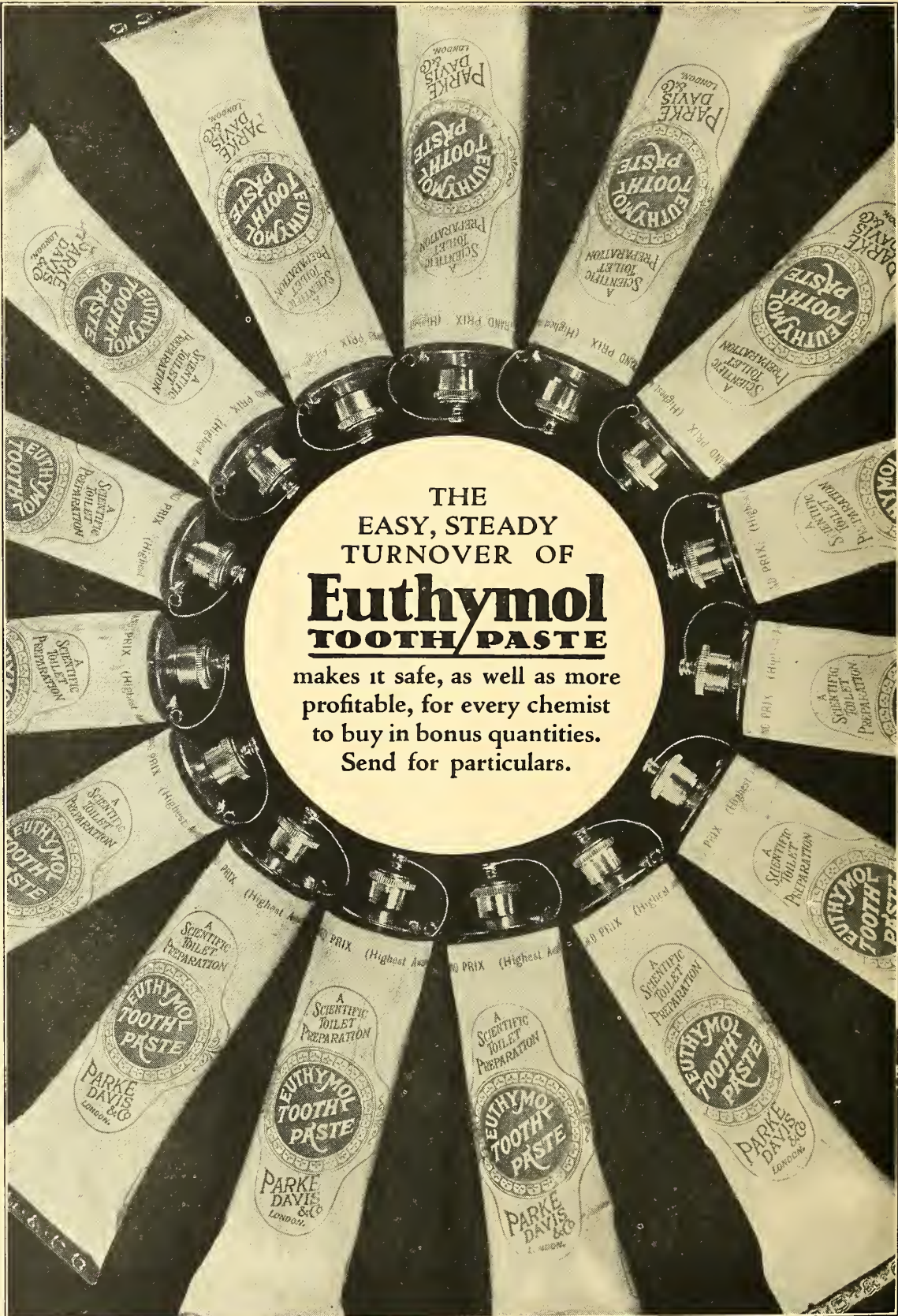
T and H. SMITH
Limited

EDINBURGH
Blandfield Works

GLASGOW
32-4 Virginia Street

LONDON
25 Christopher St.
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CAPSICIN
CANTHARIDIN
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JALAP RESINS
VERATRINE ATROPINE
EMETINE
ERGOTIN



THE
EASY, STEADY
TURNOVER OF
Euthymol
TOOTH PASTE

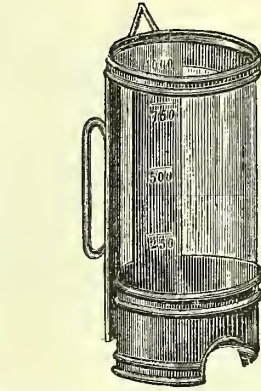
makes it safe, as well as more
profitable, for every chemist
to buy in bonus quantities.
Send for particulars.

SURGICAL SUNDRIES

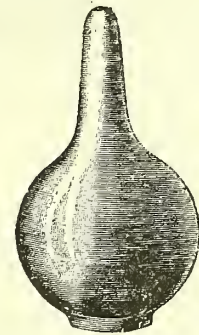
We hold the most comprehensive stock in the North of England. Our new price list is in the press. Put your name down for a copy.



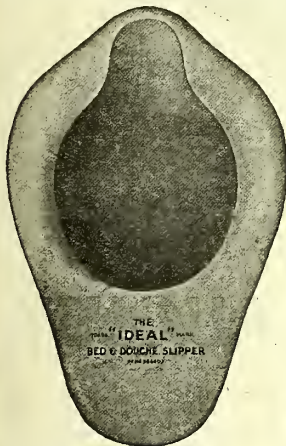
COMBINATION INJECTION and
VAGINAL SYRINGES 39/- doz.



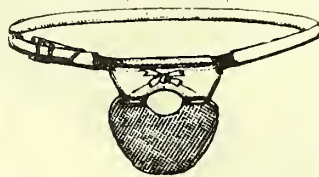
DOUCHE CANS. Various, Bronze
Enamel, White and Glass Vessel



RUBBER NASAL SYRINGE
7/3 doz.



SLIPPER SHAPE 7/- each



SUSPENSORY BANDAGES
from 8/6 to 30/- each



TRUSSES Various Styles and Prices



FEEDING CUPS China and
Earthenware from 7/6 to 14/6
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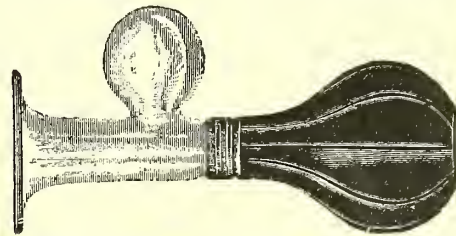
ENGLISH BLACK POLISHED ENEMAS
20/- doz.



"SOLACE" FEEDERS Boxed Complete 4/-



GLASS EAR SYRINGES Each in box 3/6 doz.



BREAST PUMPS from 18/6 to 25/6 doz.

HIRST BROOKE & HIRST LD.

PHONE 20374 (4 lines) SHEEPSCAR WORKS,

NATIONAL ADVERTISING TO HELP YOU SELL

SIX
for
6D



commences

EARLY AUGUST

The combined circulations of the great national papers in which Minora advertisements will appear amount to over 6,000,000 per insertion. This ambitious campaign combined with the outstanding quality of Minora Blades provides you with a wonderful opportunity of securing a big business with profit to yourself and satisfaction to your customers. **BE READY.**

TRADE TERMS ARE LIBERAL: 8/- PER GROSS BLADES.

Minora Blades are sold in packets of 6 for 6d. Twenty-four packets of six are packed in an attractive box.

Minora

6 for 6D **BLADES**

MOORGATE BLADE CO., Ltd., Finsbury Pavement House, 120 Moorgate, LONDON, E.C.2.

Link up
with this
FRONT PAGE
DAILY MAIL
advert:

Make a
Window
Display
and
get a

There's nothing like ANZORA for keeping the hair under control.....

...MILLIONS OF MEN KNOW THAT.

ANZORA
CREAM & VIOLA
BOTH MASTER THE HAIR

In bottles 1/6 and 2/6 and the new 1/2

NOTE THE SUTAX SCREW CAP

ANZORA PERFUMERY CO., LTD. LONDON N.W. 6.

FREE BONUS BOTTLE

in every dozen!

TRADE TERMS

Small size sells at 1/- — 8/- doz,
Medium size sells at 1/6 — 12/- "
Large size sells at 2/6 — 20/- "

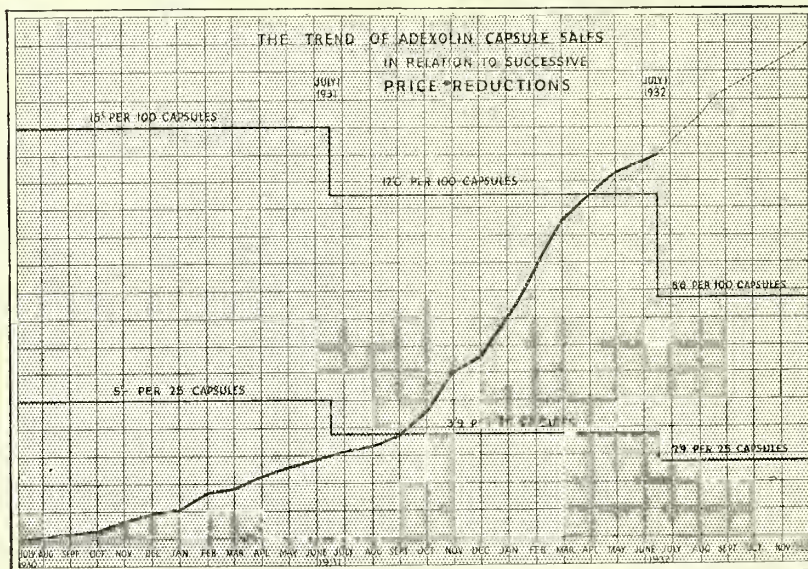
ANZORA
CREAM & VIOLA
BOTH MASTER THE HAIR

ANZORA PERFUMERY CO., LTD., LONDON, N.W. 6

A whole army of buyers will see this Front Page *Daily Mail* advertisement on August 11 —get the most out of it—make an Anzora Window Display and let them know you sell this popular hair fixative! You'll get the benefit of bigger sales and qualify for the FREE BONUS BOTTLE offer!—an extra bottle in every dozen ordered (minimum order 3 dozen). Write to-day for details of the Anzora Display Material and order your supplies of Anzora—you don't want to miss any of these easy sales—or your free bonus bottles!

ADEXOLIN CAPSULES

HOW  sales have soared



HOW prices have come down

8/6 and boxes of 25 reduced from 3/9 to 2/9—will obviously give still

Adexolin liquid, the tasteless and inodorous high concentrate of vitamins A and D, is also available and is particularly suitable for administration to infants. 8 c.c. phials, with dropper, 2/6; also 2 oz. bottles, 12/6.

The graph above shows how rapid, and yet how steady, has been the increase in the sales of Adexolin Capsules since their introduction to the trade only two years ago. Corresponding reductions in prices are also shown.

The latest reduction—boxes of 100 reduced from 12/6 to

further impetus to sales.

Adexolin Capsules are invaluable in the prophylaxis and treatment of the common cold, respiratory and other infections. Each 3-minim capsule contains the vitamins A and D equivalent of 10 grams of highly potent cod-liver oil.

another energetic product

Originally introduced to the medical profession for the treatment of acidosis, cardiac disease and febrile illnesses, Glucose-D has to-day found its most important field as a natural remedy for debility and physical and mental strain.

Glucose-D may be given freely to infants and adults, and is of special benefit to athletes and, particularly in these days of difficult business conditions, to business men and women. It is taken in place of sugar in any food or drink.

IN 1-LB. TINS **GLUCOSE-D** 1/9 PER LB.

DISPLAY MATERIAL—A striking showcard, and supplies of a special leaflet, are now available to Glucose-D stockists.

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[Continued overleaf.]

ASK US TO QUOTE—

In these days of fierce competition the prudent pharmacist realises that he must sell goods of irreproachable quality—but they must be bought at the right price, for profits are largely made in the Buying Department.

Careful scrutiny and rigid analytical control by a competent and highly skilled technical staff is exercised in all our Departments — from raw material to finished product, whilst extensive and efficient manufacturing resources enable us to meet the

thousand and one daily wants of the modern pharmacy at the most economical rate.

A forty years' reputation stands behind all our products.

You can always rely on quality and efficient service at keenest prices.

Whatever your requirement—Drugs, Packed Proprietaries, Surgical Instruments, etc., etc.—we suggest you ask for our list and send your next enquiry to—

HOUGH, HOSEASON & CO., LTD.

Wholesale and Manufacturing Chemists

BRIDGE STREET - - MANCHESTER

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Your biggest price margin—definitely on British SUGAR OF MILK

Low-priced and all-English. Serolac is the new brand of Sugar of Milk.

Because Whey Products Limited, who make it, are the only manufacturers of Sugar of Milk in the country, they are still able to sell on a level with the cheapest foreign competitor.

Compare these prices

Sugar of Milk (Serolac Brand) is packed in $\frac{1}{4}$, $\frac{1}{2}$ and 1 lb. tins, attractively labelled and selling at trade terms of—

| | | | |
|------------------------|---|---|---------------|
| 1 lb. tins | - | - | 15/- a dozen. |
| $\frac{1}{2}$ lb. tins | - | - | 8/- a dozen. |
| $\frac{1}{4}$ lb. tins | - | - | 4/9 a dozen. |

Carriage forward.

Compare these low prices with what you

now pay, and see the substantial extra profit from buying Serolac—and British.

If you prefer, supplies will be forwarded in blank tins for you to label with your own name and design.

Serolac Sugar of Milk is extracted, refined and sold by Whey Products Ltd., Haslington, Cheshire. Head Office: Trowbridge, Wilts.

Sugar of Milk in bulk

Sugar of Milk (Serolac Brand) in bulk is packed in 1 cwt. and 2 cwt. Venesta kegs lined with grease-proof paper. Carriage paid quotations are gladly supplied on request.

SUGAR OF MILK (SEROLAC BRAND)

**THE CHEMISTS'
MOST POPULAR
INSECT POWDER**

**S
E**

Advertising Slogan
**"GET IT FROM
YOUR CHEMIST"**

SECTO

**SELL "SECTO"
THIS SEASON
— IT PAYS**

**T
O**

RETAIL
**4d. 6d. 1/- 3/- & 5/-
TINS**

**Liberal Trade Terms
Excellent Showmatter**

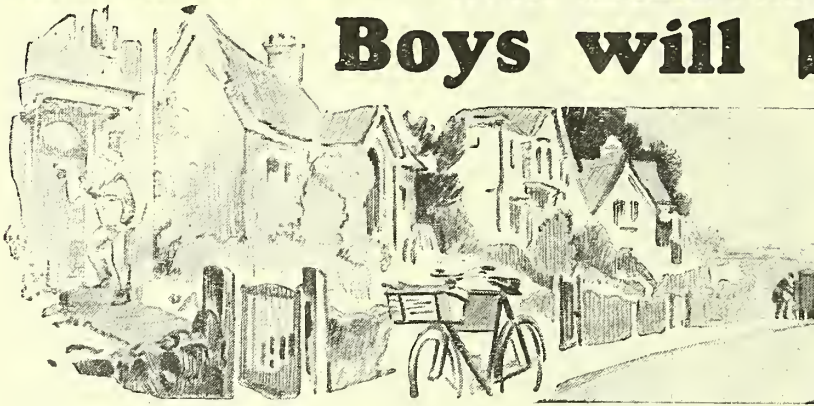
CUPAL LTD.

Manufacturing Chemists

BLACKBURN

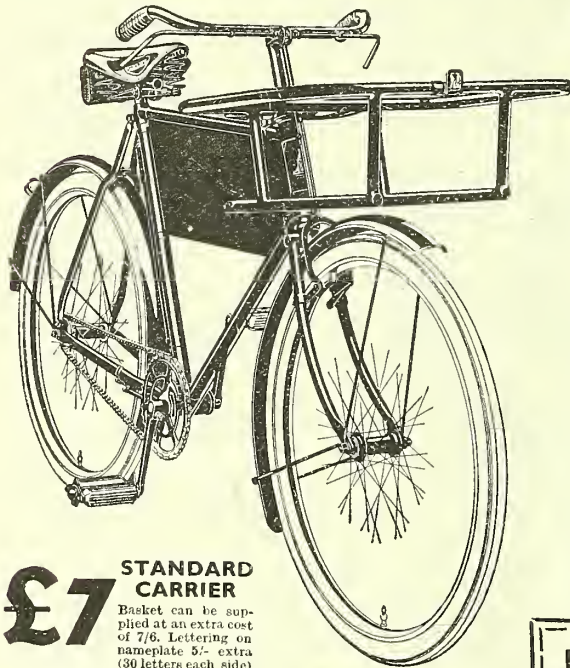
'Phone :
Blackburn
6073

'Grams :
"Cupal,
Blackburn."



Boys will be boys!

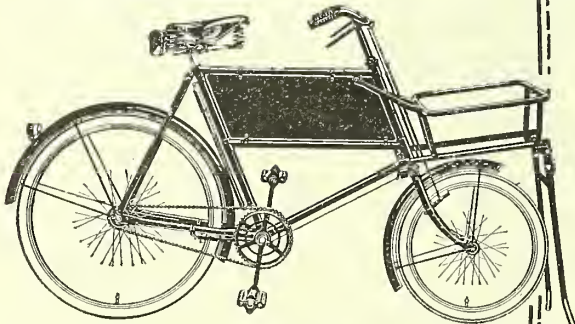
but no amount of rough usage can affect the carrier cycle **GUARANTEED** for EVER—the



£7 STANDARD CARRIER

Basket can be supplied at an extra cost of 7/6. Lettering on nameplate 5/- extra (30 letters each side)

OR 13/3 MONTHLY (No Deposit)



RALEIGH TRADESMAN'S CARRIER

You cannot prevent youthful riders knocking carrier cycles about, but you can eliminate the expense of constant repairs and replacements if you deliver with the Raleigh. Its For-Ever Guarantee safeguards your pocket, for you know when you put a Raleigh into service that it will never fail you. Hard work and heavy loads make not the slightest impression on its all-steel construction. It is a real CARRIER cycle, it delivers the goods on time and every time . . . it definitely **CUTS YOUR DELIVERY COSTS.**

RALEIGH LOW GRAVITY CARRIER

Specially designed for carrying heavy or bulky loads with safety and freedom from skidding. It has a 20" front wheel which permits the use of an exceptionally large basket and the low position of the load ensures easy steering and stability. An instantly-operated stand built into the carrier is an important feature.

£7. 10s

Basket can be supplied at an extra cost of 7/6. Lettering on nameplate 5/- extra (30 letters each side)

OR 14/2 MONTHLY (NO DEPOSIT)

Every Raleigh Carrier Cycle is fitted with Brooks saddle and Dunlop tyres and is finished with special scratch-proof and weatherproof enamelling. Tools, toolbag, inflator and rear reflector are included free.

Send for full details of Raleigh Carrier Cycles, and the name and address of the nearest Raleigh agent.

—THE RALEIGH CYCLE CO., LTD., NOTTINGHAM—

Making a
most popular
appeal to the



*A presentation case of the
popular "Lady Gay" perfume*

woman of to-day . . .

Parfumerie de Fleury

is now enjoying an

appreciative sales

response and an enviable

record of acceptance

throughout the country

DE FLEURY

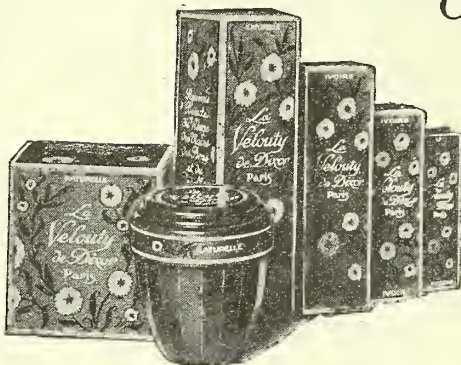
PERFUMES & TOILET DELIGHTS

*A display of Parfumerie de Fleury in your window will very soon
prove to you the money-making possibilities of this new series*

PARFUMERIE DE FLEURY RAWDON LEEDS

The original combined Cream and Powder

VELOUTY de DIXOR



The advertised line that you are asked for.

NOW ON P.A.T.A.

Samples free upon receipt of trade card or billhead.

| | | |
|-----------------------------|----------|-------------|
| PRICES:—No. 1. Handbag tube | 3/- doz. | Retail -/4½ |
| No. 2. Small tube | 4/- " | -/6 |
| No. 3. Medium tube | 7/- " | 1/- |
| No. 4. Large tube | 14/- " | 2/- |
| No. 5. Super tube | 22/- " | 3/- |
| Pots (glass) | 21/- " | 2/9 |
| Pots de luxe (unbreakable) | 36/- " | 4/6 |

Made in four shades:

WHITE, IVORY, NATURAL and OCHRE.

Obtainable from your regular Wholesaler or direct from the Manufacturers:

DIXOR, LTD., 68, Newman St., Oxford St., London, W.1

Sole Distributors for

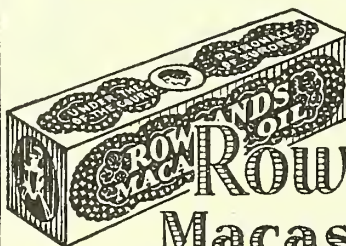
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Irish Free State: MAY, ROBERTS & CO. LTD., Grand Canal Quay, DUBLIN

SELLING SUGGESTIONS

Rowland's Macassar Oil gives the hair lasting beauty simply by making it perfectly healthy.

Stock and recommend

Of all Wholesalers, to retail at 3/6, 7/- and 10/6.



Rowland's Macassar Oil

J. H. & Co.

A. ROWLAND & SONS, LTD.
22 LAYSTALL STREET, ROSEBERY AVENUE, LONDON, E.C.1

Silk's

ONE DROP PERFUME

VERY handy for a lady's bag, convenient to use.

Sells at sight if shown on counter. Good profit, satisfied customers and repeat orders.
1/6 size 12/- doz.
2/6 size 18/- doz.

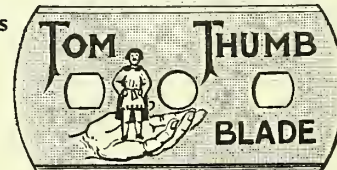


SILK'S TOILET Co., 8 & 9 Red Lion St., London, W.C.1

ENGLAND'S LAST WORD

IN SAFETY RAZOR BLADES
THE GREAT "TOM THUMB"
(ACTUAL SIZE OF BLADE)

Retails at
1d.
each



Retails at
1d.
each

MADE BY
Brooks, Haywood & Co. Ltd., Shiloh Works, Sheffield

PAPIER POUDRÉ
SOAP LEAVES

THE 'HANDY' SOAP

Per **6^d** Book

Do not risk infection by washing with soap that has been used by strangers. These Leaves are prepared with the finest quality Toilet Soap delightfully perfumed, and by carrying this handy booklet in your bag or pocket you are sure of a refreshing and hygienic wash wherever you may be.

HIKING
 MOTORING
 TRAIN JOURNEYS
 AT THE OFFICE
 ON THE RIVER

PAPIER POUDRÉ
SOAP LEAVES
 The Manufacturers, Papier Poudre Ltd London W.

This Showcard sent with every order, the books are in a compartment at the back. Show it and it will do the selling for you.

A "handy" line

Three reasons why it will sell quickly

1. It is first-class quality.
2. Attractively and forcefully presented.
3. Everyone who travels by road, rail or river will realise how convenient and hygienic these leaves are—and buy them

4/- per doz. 6 doz. 7½% 12 doz. 10%

From all Wholesalers or direct from the Sole Manufacturers:

Papier Poudré, Ltd.
 46 Baker Street, London, W.1.

AS SAFE AS A SHAMPOO

NUCTONE SELLS ON SAFETY!

The one obstacle to Hair-Dye sales is the fact that nearly every prospective customer has a hazy idea that hair-tinting is not quite safe.

Tell these people that the Nuctone method is as safe as a shampoo—tell them that Nuctone adds lustre to the hair and gives it that youthful look.

It's worth it, for Nuctone sales are consistent and profitable.

Order Nuctone through your

::: usual Wholesaler :::

Nuctone
 SAFE FOR GREY HAIR

STEWART, GOODALL & DUNLOP LIMITED.

HOLIDAY KIT!!!

SHOW YOUR CUSTOMERS
SIMPSON'S SUPER BADGER SHAVERS

Used by members of The Royal Family

THESE SHAVING BRUSHES SELL ON SIGHT, AND SHOW YOU AN EXCEPTIONAL

MARGIN OF PROFIT

SPECIAL AGENTS

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 (F. NEWBERY & SONS LTD)

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 Hope St.

CHARTERHOUSE SQUARE
LONDON, E.C.1

Liverpool :
 22 College
 Lane

Telephone : CLERKENWELL 0423.

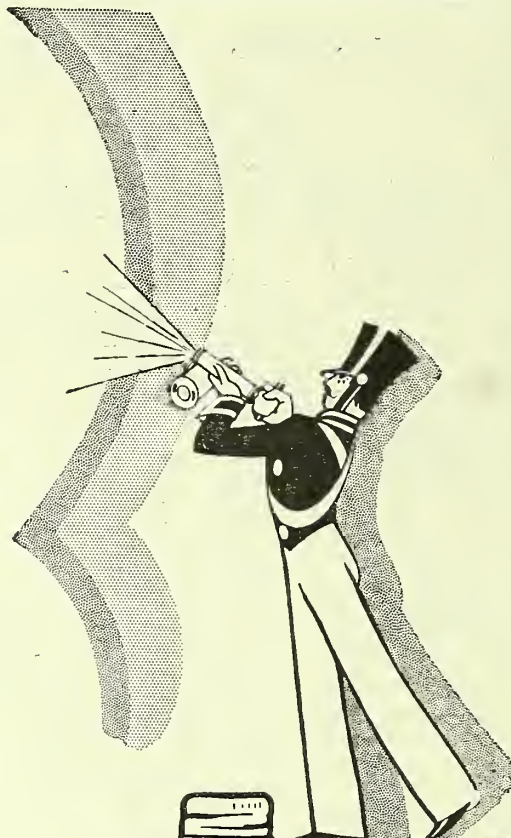
FLIT

sells to the whole world

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This offer expires Aug. 10th, 1932.

**PRACTICALLY
100%
PROFIT ON OUTLAY**

Example Order A.

| | Trade. | Retail. |
|--|---------|---------|
| | £ s. d. | £ s. d. |
| 2 doz. 6d. tubes | 8 0 | 12 0 |
| 2 doz. 1/6d. tubes | 1 4 0 | 1 16 0 |
| 1/3 doz. 3/- tubes | 8 0 | 12 0 |
| | 2 0 0 | 3 0 0 |
| Less 5% Cash Discount (For prompt settlement) | 2 0 | |
| | 1 18 0 | |
| FREE GOODS: | | |
| 6 x 6d. tubes | | 3 0 |
| 6 x 1/6d. tubes | | 9 0 |
| 1 x 3/- tube | | 3 0 |
| | | 3 15 0 |
| | | 1 18 0 |
| YOUR PROFIT 97.37% | | 1 17 0 |

Example Order B.

| | Trade. | Retail. |
|--|---------|---------|
| | £ s. d. | £ s. d. |
| 4 doz. 6d. tubes | 16 0 | 1 4 0 |
| 4 doz. 1/6d. tubes | 2 8 0 | 3 12 0 |
| 2/3 doz. 3/- tubes | 16 0 | 1 4 0 |
| | 4 0 0 | 6 0 0 |
| Less 5% Cash Discount (For prompt settlement) | 4 0 | |
| | 3 16 0 | |
| FREE GOODS: | | |
| 12 x 6d. tubes | | 6 0 |
| 12 x 1/6d. tubes | | 18 0 |
| 2 x 3/- tubes | | 6 0 |
| | | 7 10 0 |
| | | 3 16 0 |
| YOUR PROFIT 97.37% | | 3 14 0 |

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..... " 3/- " " " " 24/- "

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|---------------|-----|-----|------|--------|--------|--------|--------|--------|--------|
| | | | | 1 doz. | 3 doz. | 6 doz. | 1 doz. | 3 doz. | 6 doz. |
| 10 x 6 | ... | ... | each | 2/6 | 2/5 | 2/4 | 2/9 | 2/8 | 2/7 |
| 10 x 8 | ... | ... | " | 3/- | 2/10½ | 2/9 | 3/3 | 3/1½ | 3/- |
| 12 x 8 | ... | ... | " | 3/3 | 3/1½ | 3/- | 3/6 | 3/4½ | 3/3 |
| 12 x 10 | ... | ... | " | 3/9 | 3/7½ | 3/6 | 4/- | 3/10½ | 3/9 |
| OTHER SIZES | | | | | | | | | |
| 8 x 6 | ... | ... | each | 2/4 | 2/3 | 2/2 | 2/7 | 2/6 | 2/5 |
| 12 x 6 | ... | ... | " | 2/10 | 2/9 | 2/8 | 3/2 | 3/- | 2/11 |
| 14 x 8 | ... | ... | " | 3/9 | 3/7½ | 3/6 | 4/- | 3/10½ | 3/9 |
| 14 x 10 | ... | ... | " | 4/6 | 4/3½ | 4/1 | 4/9 | 4/6½ | 4/4 |

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| | 1 doz. | 3 doz. | 6 doz. |
|-------------|--------|--------|--------|
| 10 x 6 each | 2/4 | 2/3 | 2/2 |
| 10 x 8 " | 2/10 | 2/8½ | 2/7 |
| 12 x 8 " | 3/1 | 2/11½ | 2/10 |
| 12 x 10 " | 3/7 | 3/5½ | 3/4 |

RED

POPULAR SIZES

| | 1 doz. | 3 doz. | 6 doz. |
|-------------|--------|--------|--------|
| 10 x 6 each | 2/7 | 2/6 | 2/5 |
| 10 x 8 " | 3/1 | 2/11½ | 2/10 |
| 12 x 8 " | 3/4 | 3/2½ | 3/1 |
| 12 x 10 " | 3/10 | 3/8½ | 3/7 |

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|---------------------|-------------------|---------------------|
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| 6 doz. ... " | 22/6 | 23/9 |

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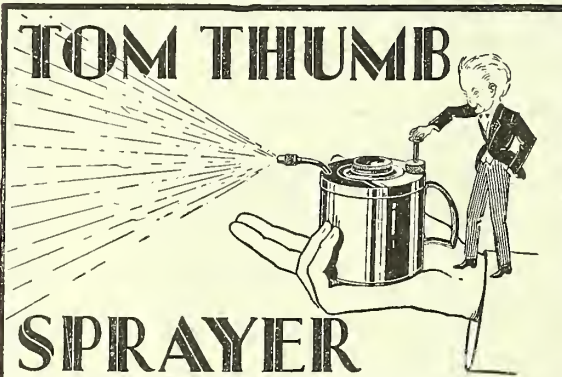
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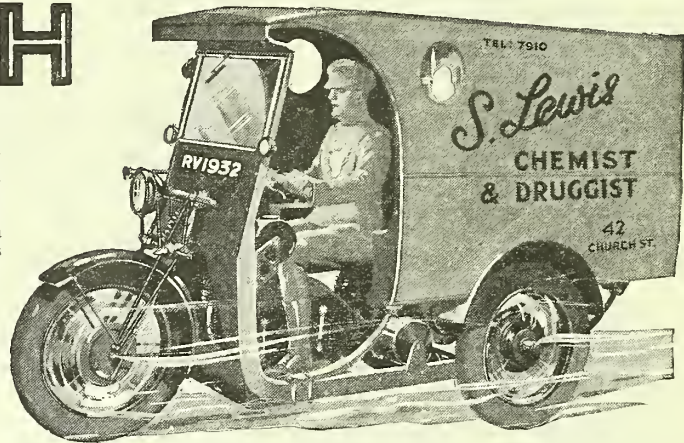
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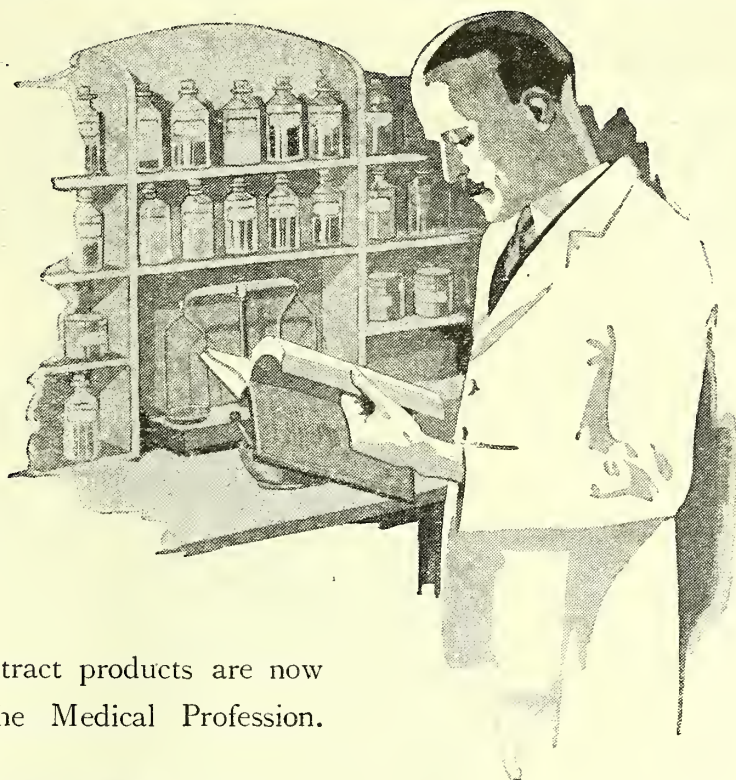
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Acceptable to the palate. Causes no gastric or other disturbance even when taken over long periods. One ounce is equivalent to eight ounces of liver.

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A Weekly Journal of Pharmacy, the Drug, Chemical and Allied Trades

*The official organ of The Pharmaceutical Society of Ireland,
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VOL. 117 NO. 2739

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News of the Week

Royal Society of Arts

The exhibition of work done in the ninth annual competition of industrial designs, organised by the Royal Society of Arts, opened in the Exhibition Pavilion of the Imperial Institute, South Kensington, London, S.W.7, on July 30, and closes on August 31. The entries are more numerous than in previous years, and show "a very definite improvement" in quality. In many sections there is no age restriction; the youngest competitor this year was fourteen years old, and the oldest eighty-three. Entries were received from several British competitors living in the Dominions or on the Continent. The Council of the Society calls attention, in a circular, to the fact that these exhibitions are not self-supporting, and that help is needed. The section devoted to architectural decoration shows some original designs for shop fronts. Section V (Advertising and Commercial Art Posters) includes winning designs in poster competitions promoted by Lever Brothers Ltd. (for a transparent toilet soap), Scott & Turner, Ltd. (for Andrews Liver Salt), and Spratt's Patent, Ltd. (Bonio biscuits). The exhibition is open daily from 10 a.m. to 5 p.m. (Sundays 2.30-6 p.m.), and admission is free.

Inquests

An inquest was held in Bradford, on July 29, on the infant son of Mr. F. L. Oglesby, chemist and druggist, Idle Road. It was stated that the child died after having been given a cordial by his father which contained two drops of laudanum. A verdict of "Death by misadventure" was returned.

Alfred William Laughlin, Upper Warwick Street, Liverpool, described as a chemist, was found dead in Sefton Park, after taking salt of lemon. At the inquest on July 30 it was stated that he had been out of employment for two years. A verdict of "Suicide while of unsound mind" was returned.

An inquiry was held by the Paddington (London) coroner, on July 28, concerning the death of Lady Ronald, Warwick Avenue, W. Evidence showed that she had taken allonal from time to time as a hypnotic, and that death was due to narcotic poisoning. A verdict of "Suicide while of unsound mind" was recorded.

Birmingham

Mr. C. J. House, B.Sc., formerly of Birmingham, recently addressed the Bangkok (Siam) Rotary Club on "Opium."

Mr. H. H. Bagnall, B.Sc., the city analyst, contributed to a local paper of July 29 an article on the doubt that has been raised as to the safety of aluminium vessels for cooking purposes. Mr. Bagnall is in favour of this use of aluminium.

Miscellaneous

POISON-LICENCE APPLICATIONS.—Mr. D. J. Davies, Ponthydygroes, and the North Cardiganshire Farmers' Co-operative Society, Ltd., have applied to the Cardiganshire County Council for licences to sell agricultural and horticultural poisons.

BRITISH INDUSTRIES FAIR.—It is announced that record applications for space at the British Industries Fair next February have been received by the Department of Overseas Trade. Exhibitors have applied for 270,674 sq. ft. at Olympia and the Court of Honour at the White City, and 90 per cent. of the available space at Castle Bromwich is now let.

CHEMISTS PRAISED.—At a meeting of the Kent Insurance Committee on July 27, Sir Charles Igglesden (chairman) said that ever since the Insurance Act was passed he had been impressed by the care which was exercised in the provision of drugs for panel patients. Only those behind the scenes realised the pains taken on behalf of

this service, and he thought it had never been sufficiently recognised. Analyses of drugs supplied by chemists were continually being made, and although there were some people who complained about the panel service he was convinced that the panel patient was far better off than anyone else in the drugs supplied, and in the accuracy of making up of prescriptions.

IN THE COURTS.—At Old Street Police Court, London, on July 26, Henry Dixon, labourer, Gloucester Road, Manor Park, was fined £10, with £3 3s. costs, in respect of a sale of ginger wine found to be practically free from alcohol and contaminated with zinc salts. On a similar charge Michael Harvey, ship's fireman, Cwm, Mon., was fined 40s., with £3 3s. costs.—At Lymington, on July 28, Mr. W. S. Tiernan, chemist and druggist, New Milton, was fined 10s. for having sold sweet spirit of nitre reported to be 77.6 per cent. deficient in ethyl nitrite.—At Leeds, on July 28, when Herbert Baggs, hawker, Bankside Street, was summoned for selling a carbolic acid disinfectant in a mineral-water bottle, the magistrate, in dismissing the case on payment of £1 17s. costs, advised the defendant to be more careful in future.

Irish Notes

Brevities

The business of the late Mr. J. McMullan, R.D., Church Street, Coleraine, has been taken over by Mr. A. W. McDowell, R.D.

At Magherafelt Petty Sessions, recently, Mark McKenna, Draperstown, was fined £5 for having sold a sample of ginger wine which contained 0.012 per cent. of salicylic acid.

A sentence of fifteen months' imprisonment, with hard labour, was passed at the recent Derry Assizes on Robert Allison, commercial traveller, who pleaded "Guilty" to a charge of embezzling, between the years 1929 and 1932, sums amounting to over £500, the property of his employer, Mr. Thomas Blair (trading as John Mortimer & Co., druggists, Foyle Street, Derry).

At Londonderry Assizes, recently, Alexander Munro Orr (24) pleaded "Guilty" to stealing a wallet and other property belonging to Mr. William Murphy, Ph.C., Limavady, and to stealing a wallet from a Belfast commercial traveller. It was stated that all the money had been restored. The accused was discharged under the Probation of Offenders Act.

Business Changes

MR. ARTHUR FLOOD, chemist and druggist, late of Kenton, Harrow, has opened a pharmacy at Stockbridge, Hants.

VINOLIA Co., LTD., Bebington, have changed the telephone number at their London office to Central 7474, Extension 225.

MR. J. C. BRUTON, chemist and druggist, has taken over the business of Mr. Ault, chemist and druggist, 70 Shirley Road, Addiscombe.

MR. L. LEVY, chemist and druggist, has taken over the business of Mr. J. W. Smith, 312 Hornsey Road, London, N.7, as from July 18, and is continuing it as W. H. King & Co.

POND'S EXTRACT Co., 103 St. John Street, London, E.C.1, are removing on August 6 to their new factory at Wadsworth Road, Perivale, Greenford, Middlesex. Telephone: Perivale 4484, 5, 6.

THE London office of the Medical Director-General of the Navy is now on the Third Floor, Archway Block North, Admiralty, London, S.W.1, and the telephone number has been changed to Whitehall 9000.

Scottish Notes

Brevities

Visitors to the Aberdeen meeting of the British Pharmaceutical Conference in September may be reminded that the Aboyne Gathering takes place on September 7 and the one at Braemar on the following day. Both of these are events not soon forgotten by those who witness them. Period railway tickets at reduced fares are obtainable.

The work of the Conference committees is proceeding smoothly. The Local Executive consists of thirty members, among whom are Provost Taylor (Inverurie) and



AT THE FIFE ARMS HOTEL, BRAEMAR

Left to right: Messrs. Mutch, Hay, Dugan, M. K. Watt

Mr. Weir (Kemnay). Mrs. Bryant is secretary of the ladies' committee and Mr. M. C. Ross, B.Sc., is conveyer of the sports committee. Cruden Bay, where some of the competitions will be held, is one of the finest golf courses in Scotland, testing the ability of



ON LOCHNAGAR IN WINTER

the strongest players. One of the illustrations appended to this paragraph shows members of the Local Executive making final arrangements at Braemar. The other illustration shows part of Lochnagar, a mountain constantly in view on the route between Braemar and Ballater.

There was a good turn out of the members of the Edinburgh Chemists' Golf Club, for the competition at Liberton on July 20, when the captain's and other prizes were played for. The results were: *Captain's prize*: (1) A. Irvine, 63; (2) (a tie), W. A. M. Hourston, J. P. Gibb, and J. M. Foote 73; *Second class*, A. Nicolson 74; *best scratch score*, J. Finlay 73. The Edinburgh chemists' trophy (aggregate of two scores) for handicaps of 15 and over was won by Mr. A. Irvine with 78 and 63 = 141.

The National Pharmaceutical Union

MEETINGS of the Executives of the National Pharmaceutical Union and Chemists' Defence Association were held at 4 and 5 Queen Square, London, W.C.1, on July 26, Mr. P. F. Rowsell in the chair.

NATIONAL ADVERTISING SCHEME

The Executive considered and approved a scheme for national advertising which had been drafted in accordance with the recommendation of the conference of delegates, and instructions were given for the scheme to be circulated to the branches for discussion at their meetings during the winter.

WELFARE CLINICS

A report was received regarding arrangements which are being made in a large county area whereby the whole of the supplies for seventy-five clinics will be made through the chemists.

NATIONAL HEALTH INSURANCE

It was reported that preliminary exchanges of views between the Ministry of Health and the Union regarding the renewal of the N.H.I. contracts had not resulted in such a measure of agreement that it was possible to circulate any proposals to pharmaceutical committees. The N.H.I. conference will be held on September 28.

C.D.A. Matters

The secretary reported that the eleven cases outstanding since the last meeting of the directors were still the subject of negotiations. Seven new cases had arisen during the month, of which five had been settled as follows:—(1) Customer's clothing damage by liquid spilled in member's shop (three cases); claims settled by payments of 8s. 11d., 5s. 6d., and £2 2s. respectively. (2) Hat spoiled by wrong hat dye supplied; claim settled by payment of 10s. 6d. (3) Trousers torn on member's door frame; claim settled by payment of 15s.

The secretary reported that a member had been defended in respect of a summons for selling olive oil adulterated with water. The case had been withdrawn.

Branch Meetings

Leamington.—The Warwickshire Branch met at Leamington on July 28. It was agreed that the use of the N.P.U. apprenticeship indentures, in addition to the Pharmaceutical Society's articles of pupillage, was advisable. It was resolved to support a scheme for the supply of infants' foods by chemists to parents, on orders from welfare clinics. The conference resolutions as to payment for window shows, hiring of surgical appliances and broken bulk were discussed, but their adoption was deferred. The use of the N.R.P.L. prices for dispensing was unanimously supported.

Topical Reflections

By Xrayser

Aberdeen Arrangements

for this year's British Pharmaceutical Conference have been planned, as was to be expected, with the usual thoroughness of Scottish pharmacists (*C. & D.*, July 30, p. 109). Provision seems to have been made for a brimful week of business and pleasure, with no time left for any of us who attend the annual gathering to feel lonely or neglected. It is unfortunate, though not to be regarded as a fault of the Local Executive Committee, that delegates' meetings are to be held at the same times as science meetings on the Tuesday afternoon and Wednesday morning. Unfortunately, I state advisedly, because there are undoubtedly some pharmacists likely to attend the Aberdeen meeting who would desire to be present at both delegates' and science deliberations. Attention has been directed in former years to this defect in the Conference time-table, but it would appear that the original main object of the Conference counts for comparatively little now that Pharmaceutical Society propaganda is allowed to overshadow the promotion of the interests of pharmacy as a professional occupation based upon records of observation and research. There would appear to be no way out of the existing difficulty in this respect short of interfering with the time allotted for the all-day excursion and sports; but in my opinion social events ought not to be permitted to infringe to an immoderate degree upon the limited time available once a year for bringing our scientific and technical knowledge up to date and taking stock of the pharmaceutical position generally.

Pharmacopœia Status.

you suggest, may largely determine the estimation in which the practice of pharmacy is held in any country (p. 113), and I think there is much to be said in favour of that view. Certainly the fact that pharmacists have been largely concerned in the

production of a thoroughly comprehensive and up-to-date Pharmacopœia must influence the attitude towards pharmacy as a profession of medical and other authorities for whom the contents of the book are a matter of serious importance. Everything seems to point to the new British Pharmacopœia as being likely to reflect credit upon British pharmacy, and it now remains to be seen if British pharmacists generally will respond to the call which the book will make upon their progressive tendencies. Quite evidently there will be much that many of us will need to learn if we are to profit to the utmost by the lead given by the pharmaceutical revisers of the book which conditions our practice, in the preparation of the new issue of the work; but it will be well worth the trouble if, as you suggest, the new Pharmacopœia is likely to serve as a guide in pharmaceutical progress.

May not the Best Retort

to those who criticise the chemist's assumed shortcomings, as though they knew better how to conduct his business than he himself, also provide a suitable reply to the young pharmacist who asks for advice how to occupy his spare time in business? Let those who do not pack their own remedies proceed at once to make arrangements for packing such as it is reasonably economical to put up, taking care to have a distinctive get-up so that satisfied customers will not be content to be put off with similar articles packed by wholesalers and distributed by a number of retailers. There is no more satisfactory way of occupying spare time during business hours than in putting up stock of one kind or another, particularly in view of the fact that all such stock can carry with it the personal guarantee of the proprietor of the pharmacy. Let "Gorfenbraf" act upon this suggestion, and he will find much profit accrue from what was formerly spare time.

"C. & D." Retail Price List

PRICES during July varied very little, as shown by the index, which fell from 147.4 in June to 147.1 in July, against 126.9 at the same time in 1931. The alterations include in a slight increase per ounce of quinine salts, and in iodides, but these were largely offset by the fall in mercurials, thus maintaining the average. In surgical dressings there is no change, the index being 136.0. That for the corresponding period last year was 158.6. The important retail and dispensing changes are set out below:—

| Cost | | | Selling Price | | | |
|------|-----|--|-----------------|----------------|----------------|----------------|
| d. | per | | 16 oz. s. d. | 4 oz. s. d. | 1 oz. s. d. | 1 dr. s. d. |
| 18 | oz. | Barbitonum .. B | — | — | 2 8 | 0 5 |
| 20 | oz. | Barbitonum, sodium B | — | — | 2 11 | 0 5 |
| 8 | oz. | Chloral hydras .. C | — | — | 1 2 | 0 2 |
| 36 | dr. | Cotarninae hydrochlori- dum .. B | — | — | — | 5 3 |
| 36 | dr. | Cotarninae phthalas B | — | — | — | 5 3 |
| 63 | lb. | Elixir pepsini et bism. co. B.P.C. .. | — | 2 5 | 0 8 | — |
| 36 | oz. | Methylsulphonal C | — | — | 5 3 | 0 9 |
| 48 | dr. | Papaverina .. | per | gr. | 0 2 | — |
| 48 | dr. | Papaverin. sulph. .. | per | gr. | 0 2 | — |
| 88 | lb. | Potassii iodidum .. | — | 10 3 | 3 0 | 0 6 |
| 72 | dr. | Santoninum .. | per | gr. | 0 3 | 10 6 |
| 28 | oz. | Sodii iodidum .. | — | — | 4 1 | 0 7 |
| 13 | oz. | Theobromina .. | — | — | 1 11 | 0 4 |
| 14 | oz. | Theobrominae-sod. acet. | — | — | 2 0 | 0 4 |
| 12 | oz. | Theobrominae-sod. sal. | — | — | 1 9 | 0 3 |
| 87 | lb. | Ung. iodoformi .. | — | 3 2 | 0 11 | 0 2 |

French News

From the "C. & D." Paris Correspondent.

THE Court of Cassation has decided that for a herbalist to sell a mixture of dried plants under the title of "laxative" is an infringement of the Law of Germinal. This is in accordance with two previous judgments of the same Court in 1919 and 1926.

THE PARIS SOCIETY OF PHARMACY voted a resolution that medicaments which can be tested only by biological methods should be regularly and periodically sampled by the official inspectors and examined by the Natural Laboratory for the Control of Medicaments.

THE DEATH is announced of M. Pierre Bréteau, who recently retired from the Army Pharmaceutical Service with the rank of General (the highest grade in military pharmacy). He was a member of the Paris Society of Pharmacy, an ex-professor at Val de Grace Military Hospital, and a well-known man in pharmaceutical circles.

FRENCH BENEVOLENT FUND.—The Fraternal Association of French Pharmacists, which has its headquarters at Versailles, is a life insurance society comprised entirely of pharmacists. On the death of each member the Association pays to his heirs a sum of 20 francs from each adherent. As there are now 1,200 members the widow or heir receives 24,000 francs. The idea is to render temporary assistance at a critical period to the family deprived of its breadwinner and to keep things going till the business can be sold.

A PUBLISHER having written to the General Association of French Pharmacists offering to publish a pharmacists' year-book, on the lines of the *C. & D. Diary*, it was agreed by the managing board of the association that

the president should be authorised to draw up a draft scheme. The president considered that the contents should include the laws and regulations actually applied to pharmacy, the Adulteration Act, etc.; the rules of the General Association and some account of its branches, a list of the pharmaceutical educational bodies, and a directory of pharmacists, Parisian and provincial. Expenses would be covered by advertisements controlled by the Association and the sale of the volume, thirty per cent. of the profits being allotted to the funds of the Association.

UNQUALIFIED ASSISTANT PROSECUTED.—The vexed question of the possibility of an unqualified man keeping open shop under cover of the name of a qualified pharmacist, which is constantly raised at pharmaceutical gatherings, is aptly illustrated by a case recently tried at Versailles. M. Chauvineau, an assistant in a Parisian pharmacy, opened shop at Sartrouville, an outlying suburb of the capital, taking as partner M. Cartier, a qualified pharmacist of Rouen, aged seventy-three, who was prevented by illness from being present at the trial. The other pharmacists at Sartrouville threatening prosecution, M. Chauvineau nominally sold his business (for 3,000 fcs., about £24) to M. Dodard, a qualified pharmacist, of sixty-two. Under these circumstances the document produced by M. Chauvineau to prove that he was the regularly-engaged assistant of M. Cartier became valueless. The Court sentenced M. Chauvineau to pay 500 fcs. as fine, and Dodard 100 fcs., and the Pharmacists' Association of the Seine-et-Oise department, who prosecuted, obtained 100 fcs. damages, and the publication of the sentence in five local papers.

A FOURTH edition is announced of the "First Aid Manual," by M. H. Philippe, M.D. and pharmacist, which is on sale at all drug stores and pharmacies. It is a curious fact that although French pharmacists are expected to render first aid in street accidents, etc., the faculties and schools of pharmacy are not allowed to give any instruction in such illegal practice of medicine and surgery. How they acquired the necessary knowledge puzzled me a good deal until a pharmacist reminded me that a very large proportion of French pharmacy students work as hospital *internes* during their student days, so have ample facilities, for observation at least, during several years. They are, of course, boarded, etc., apart from the house surgeons, but the young fellows are frequently on excellent terms. In fact, one of my most vivid recollections of being shown over a Parisian hospital by a pharmacy *interne* was his friendly chat with a young medico across a corpse, which the latter was opening with a view to anatomical study, and in which they evidently expected me to take as keen an interest as they did.

South African News

From "C. & D." Correspondents.

"The Chemist and Druggist" is supplied weekly to members of Chemists' Societies in South Africa.

Rhodesia

The new Medical, Dental and Pharmacy Act which came into force recently brings us up to date with regulations as to registration, practice, and the Sale of Poisons. One clause in the Act provides that a general dealer on obtaining a certificate from the magistrate that he is a fit and proper person to deal in poisons under this section, and this certificate being endorsed by the chief medical officer, may keep for sale and sell: (a) Patent and Dutch medicines containing poisons within the meaning of the Act; (b) Poisons to be used for veterinary purposes, vermin killer, arsenic or its compounds and strychnine and its salts to be used for the destruction of vermin or for agricultural or horticultural purposes; provided such poisons be sold in unbroken phials properly corked and sealed or in sealed packets which bear the names and addresses of

the original packers, provided there is no pharmacy within a distance of six miles of the place of business of such general dealer.

The reason for this clause is that outside the main towns pharmacies exist at distances of from 20 to 170 miles (in one instance) from one another, there being a total of twenty-six shops open for business in the whole of Southern Rhodesia. The British qualification is accepted and any qualification which enjoys reciprocity with the British. Although so far from the coast—Cape Town is 1,300 miles and Johannesburg is 681 miles from Bulawayo—the variety of stocks held is excellent, and the dispensing done covers a very wide ground.

Brevities

MR. NORMAN W. HOSKING, chemist and druggist, has purchased the old-established business of the late Mr. W. J. Walker, chemist and druggist, 317 Church Street, Pietermaritzburg, Natal.

At the Durban Civil Sessions, on May 11, before Mr. Justice Matthews, Mr. Filix Auguste Darne, a chemist's assistant, claimed £2,489 damages from Mr. Lois Michel L'Etang, a Durban chemist, alleging that he had been threatened with criminal prosecution on a false charge of embezzlement, and so compelled to surrender his share in Mr. L'Etang's business, Station Pharmacy, Railway Street. The defendant in his plea denied the allegations of a threat, and declared that Mr. Darne had charge of the books of the business. Mr. Justice Matthews said that the point was whether Darne was in such fear, either from the Revenue officials who might have inspected the books, or from the possible loss of property from heavy fine, that he ceded his share of the business. The Court could not find that there was such fear animating him at the time. His lordship came to the conclusion that the action could not succeed, and it was not necessary to hear evidence for the defence.

Proprietary Medicines in Holland

THERE is a comparatively good market in Holland (writes a correspondent) for a number of proprietary remedies. Germany and Britain are the largest suppliers at present, with France, Switzerland and the United States following. Remedies for nervous disorders and for rheumatic troubles of all kinds are in greatest demand. In tonics the most desired are calcium products and those containing lecithin, while mild laxatives sell well. Business in pharmaceuticals is divided among manufacturers' agents and sole importers who sell mainly to the wholesalers, but who also carry out propaganda to the retailers through their salesmen and window displays, passing on any orders obtained to wholesalers. The wholesale trade, and indeed the entire trade in such goods, is controlled by a powerful organisation known as the Vereeniging voor Pharmaceutische Handelsbelangen (Society for Pharmaceutical Trade Interests). This Society, whose main object is the control of prices, forbids members to buy from, or sell to, non-members. Only ten firms are recognised by the Society as full national wholesalers; another forty firms occupy positions as local wholesalers. Since these wholesalers will buy only from members of the Society all agents and importers of foreign products are compelled to join. Importers and agents must communicate their prices and discount rates to the Society, and must adhere to them; the same rule applies to wholesalers.

Prerogatives of Chemists and Druggists

Trade discounts on branded articles must reach the following minima:—Wholesalers, 20 per cent. on their

buying price and 15 per cent. off their selling price. Retailers, 50 per cent. on their buying price or 33½ per cent. off their selling price. A discount may also be given to clinics and hospitals and to doctors who do their own dispensing, but this may not be more than 20 per cent. off the normal price to the public. Importers require a profit of 20 per cent. on their resale prices to the wholesale trade if they are firms' buyers, and 15 per cent. if they are given consignments stocks; their buying price is for free delivery at their address. The retail trade is divided into chemists and druggists. The former have the monopoly of dispensing. Only chemists are permitted to supply preparations in which opium, cocaine and certain other narcotics are present. There are also other limitations, of which the general trend is that in a number of specific chemicals and drugs, druggists may only supply in quantities above certain minimum weights, generally about one-quarter of a pound.

The question of the distinction between chemists and druggists is, however, at present under review. As matters stand, the regulations regarding the distinction between the two classes, except for the dispensing of prescriptions, are widely disregarded; the majority of druggists sell all kinds of pharmaceutical preparations and common household drugs and remedies. Except for the regulations regarding the sale of narcotics, and the rather vague distinction between chemists and druggists, there are no special regulations. The municipal health authorities keep a watchful eye on the course of the trade as a whole, and will always take action if they think that articles dangerous to the public health are being sold in an unauthorised manner. Neither chemists nor druggists may advise as to the purchase of any particular speciality, and this is particularly the case with all remedies purporting to cure dangerous diseases.

Import Regulations

The import duty on pharmaceutical preparations in packing of under 1.5 kilo, or in the form of tablets or pills, is 10 per cent. *ad valorem*. The value basis on which this duty is calculated is the cost to the first firm buyer in Holland. In the case of an agent who receives his remuneration in the form of a commission, or rebate, the value will be taken as that of a sale price to the wholesale trade. It is therefore more economical to quote agents a net buying price, leaving them to fix wholesale and retail prices. Preparations not in tablet or pill form, and in packing of over 1.5 kilo weight, enter duty free, provided they do not contain alcohol or sugar. In the case of medicinal preparations of which the formula is not printed on the packing, or, alternatively, which are not recognised by the medical profession in Holland as of definite therapeutic value, the authorities have power to place them on a special schedule of "secret medicines," in which case an import duty of 50 per cent. *ad valorem* becomes applicable. This regulation is not rigidly applied, however, and as a general rule it may be taken that unless products are advertised prominently they will only in very exceptional cases be scheduled. As regards publication of the formula it is not necessary that this should be exact as to quantities, or even as to elements which enter into the composition of the product. Provided the principal ingredients are printed on the packing, the Customs will generally be satisfied. In addition to the substantial portion of the trade which is done direct with foreign manufacturers, there is a large volume of business through agents in the United Kingdom, who frequently possess continental concessions. Proprietary medicines are not shown separately in the Dutch statistics, but are grouped under the heading of "other medicines and chemical foods." Imports under this heading amount to 1,727 metric tons in 1931, valued at £420,000. Of this amount 748 tons, valued at £219,000, came from Germany, and 450 tons, valued at £74,120, from the United Kingdom. The other principal suppliers in the order of their importance were Switzerland, France, the United States and Belgium.

Legal Reports

Injunctions for Infringement.—In the Chancery Division of the High Court, London, on July 28, Mr. Justice Maugham heard a motion by the Venio Drug Co. (1925), Ltd., against William Schofield, trading as the People's Pharmacy, to restrain infringement of plaintiff's registered trade mark. Mr. Trevor Watson, K.C., for the plaintiffs, stated that there had been a considerable number of actions against this particular defendant, and that this action had been settled as part of a general settlement. Mr. Lincoln appeared for the defendant, and it was agreed that the motion should be treated as the trial of the action, the defendant giving a perpetual undertaking and paying the plaintiffs' taxed costs. His lordship said there would be an order by consent in the terms agreed.—On the same day a motion by Beecham's Pills, Ltd., against W. Schofield, trading as the People's Pharmacy, came before Mr. Justice Clauson in the Chancery Division. Mr. H. Bliss, for the plaintiffs, explained that Mr. Schofield had issued pamphlets purporting to sell pills in imitation of Beecham's pills. Terms had been agreed and the motion would be treated as the trial of the action. Mr. Schofield consented to an injunction in the terms of the writ and costs had been agreed at £10. Mr. Samuel Lincoln, for Mr. Schofield, assented.—Mr. Bliss mentioned a second motion of a similar character by Phosferine (Ashton & Parsons), Ltd., against Mr. Schofield, in which, he said, there was an injunction in the same terms. His lordship assented.

Applications Adjourned.—In the Vacation Court, London, on August 3, Mr. Justice Goddard heard a motion by Mr. Kenneth Swan, on behalf of Beecham's Pills, Ltd., for an injunction to restrain a Mr. Ossinille from an alleged infringement of their trade-mark rights in the word "Beechams." Mr. Swan stated that the defendant was in court, although he had not entered an appearance. Trading as a herbal dispenser he sold what purported to be the remedy, Beecham's pills, using a label on which the word "Beecham's" appeared in large type and "in competition with" in small letters. The defendant told the judge that he was not in a position to carry on these proceedings indefinitely, because he had no money. He explained that the label contained the words "Head and Stomach Pills sold in competition with Beecham's." Mr. Justice Goddard: You had better put the letters "in competition with" in larger type of the same size as the word "Beecham's." Then you may have some sort of answer. Defendant: I think this is a great injustice. I am not selling Beecham's pills. His Lordship: It may be an equal injustice to the plaintiffs. I should alter the label if I were you. Go away for a fortnight and think it over. The Defendant: I have destroyed all the printing matter appertaining to the word "Beecham's." His Lordship: A very sensible thing to do.—Mr. Swan also mentioned the motions *Bismag, Ltd., v. W. T. Davidson and Carter Medicine Co. v. W. T. Davidson*, which, he said, were similar applications for injunctions with regard to alleged infringement of trade marks. These were directed to stand over until legal sittings in October.

The Use of a Leaflet.—In the Chancery Division of the High Court, London, on July 28, Mr. Justice Maugham heard a motion by Capsuloids, Ltd., for an injunction until the trial of the action restraining an alleged infringement of their registered trade mark "Cicfa" by W. T. Davison, trading as the British Pharmacy. The defendant did not appear. Mr. Kenneth Swan, for the plaintiffs, said they also asked for an injunction restraining the use by the defendant of a leaflet on which the plaintiffs' and other well-known trade marks appeared, on the ground that it was calculated to lead to passing off. Mr. Justice Maugham: That is a complete misapprehension from the leaflet I have seen. Mr. Swan: The practice of the defendant is to effect the sale solely by means of the leaflet. Mr. Justice Maugham said he would grant

an injunction restraining the defendant until the trial or further order from infringing the plaintiffs' trade mark, but he would not restrain the use of the leaflet. His lordship said he could see no objection to a man saying that he prepared and offered for sale a preparation which was as good as a patent medicine well known and enjoying a high reputation with the public, but he had to be careful in making his assertion not to make use of the registered trade mark either upon the goods he sold, or in connection with his goods, within the meaning of the words of Section 29 of the Trade Marks Act. The plaintiffs had not established that the defendant, so far as the leaflet was concerned, was using the mark to indicate the origin of the goods he was offering for sale, and therefore there was no infringement merely by the use of the leaflet. An injunction in the same form was granted against the same defendant on an application by Mr. Swan on behalf of the proprietors of Scott's Emulsion.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office.

SOR-TOX (LONDON), LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of manufacturing chemists, merchants, agents, etc. R.O.: Portland House, 73 Basinghall Street, E.C.2.

HEALTH REMEDY Co., LTD. (P.C.).—Capital £500. Objects: To acquire the business of dealing in medicines and remedies carried on as a public prescription service under the style of the Sphinx Remedy Co. at Blackpool.

MEDICO-SURGICAL PRODUCTS, LTD. (P.C.).—Capital £500. Objects: To carry on the business of manufacturers of and dealers in surgical instruments and goods of all kinds, etc. R.O.: 73 Southampton Row, London, W.C.1.

METAL DENTURE Co., LTD. (P.C.).—Capital £500. Objects: To adopt an agreement with A. P. Donnison, and to carry on the business of manufacturers of and dealers in dentures, dental plant, etc. R.O.: 21 Lime Street, E.C.3.

OCKINGA CHEMICAL WORKS (ENGLAND), LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of manufacturers of and dealers in chemicals, soap, dyes, colours, glue, gelatine, glycerine, etc. R.O.: Bowlee Mill, Bowlee, near Middleton.

PATENT MEDICINES (COMPETITIVE), LTD. (P.C.).—Capital £100. Objects: To carry on the business of alchemists, druggists, and dealers in pharmaceutical, medicinal and other preparations, etc. R.O.: 21 Victoria Arcade, Southend-on-Sea.

METABOLIC MANUFACTURING LABORATORIES, LTD. (P.C.).—Capital £5,000. Objects: To carry on the business of dealers in and vendors of alimentary, food, medicinal, chemical and other preparations, etc. R.O.: 26 Great Ormond Street, W.C.1.

STEREO-RELIEF PHOTOS, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of manufacturers of and dealers in all kinds of photographic outfits, materials, appliances and apparatus, etc. R.O.: Ulster Chambers, 168 Regent Street, W.1.

ENGLISH MANUFACTURING CHEMISTS, LTD. (P.C.).—Capital £10,000. Objects: To carry on the business of wholesale, manufacturing or retail chemists and druggists, patent medicine proprietors and vendors, etc. Solicitors: Simmons & Simmons, 1 Threadneedle Street, E.C.

BONGERS DE RATH & Co., LTD. (P.C.).—Capital £3,500. Objects: To acquire the business carried on at 321 High Holborn, as Bongers de Rath & Co., and to carry on the business of commercial buying and selling agents, manufacturers of and dealers in chemi-

calcs. gum, glues, oil, turpentine, etc. R.O.: 321 High Holborn, W.C.

VARNELLA, LTD. (P.C.).—Capital £400. Objects: To adopt an agreement with L. M. Green; to manufacture and sell the toilet preparations proposed to be sold under the trade name "Varnella," to acquire such trade name and the right to the registration thereof, and to carry on the business of chemists, druggists, etc. R.O.: 254 Kentish Town Road, N.W.5.

ESSENTIAL DIETETIC PRODUCTS, LTD. (P.C.).—Capital £1,000. Objects: To enter into an agreement between Société Anonyme L'Aliment Essentiel, of the first part, Chas. A. Heudebert, of the second part, the company of the third part, and Dietetic Foods, Ltd., of the fourth part, and to carry on the business of manufacturers of and dealers in food and dietetic products, etc. Solicitors: Bartlett & Gluckstein, 199 Piccadilly, W.1.

Bankruptcy Reports

Re Charles Phillip Metz. New Bond Street, W., chemists' sundriesman.—The public examination of this debtor was held recently at the London Bankruptcy Court, the accounts showing total liabilities £354 (unsecured £164) and assets "bad debt £25." Replying to the Official Receiver, the debtor stated that in June 1929 he began business as an agent for beauty preparations and continued it until June 1931, when he closed it. The examination was concluded.

Re Arthur Thomas Maxwell, trading as W. J. Lund & Co., 51 Penny Street, Lancaster. Chemist and druggist.—The public examination was held recently, at the Sessions Hall, Lancaster Road, Preston, when the statement of affairs showed liabilities of £575, and a deficiency of £486, but the debtor stated that the deficiency would be reduced to about £300 on the sale of the business as a going concern. The position was attributed to trade depression, increasing competition by multiple shop companies, and lack of free capital.

Private Arrangements

Abraham Jacob Deitsch, 192 High Street, Homerton, London, E., chemist and druggist.—The following is an extract from a circular which has been issued to the creditors herein by the Association of Manufacturing Chemists, Ltd., Kimberley House, Holborn Viaduct, London, E.C.: "A meeting was called by Messrs. Maurice Cohen & Co., solicitors, of Bishopsgate, and held at Winchester House, Old Broad Street, E.C. A statement of affairs was submitted, which showed total unsecured liabilities amounting to £961 18s. 8d., and these include cash creditors £225, who are relatives of the debtor, and the bank £75. There are fully secured creditors amounting to £118 4s., in respect of hire purchase agreement on a saloon motor car. It is estimated that no surplus is likely to accrue from this source. There are also preferential claims amounting to £55 17s. 8d., being due in respect of income tax, rates and wages. The assets, which consist of stock in trade, fixtures and fittings and book debts, are estimated to produce £375. Debtor appears to have conducted a successful business from October 1929 until the past eighteen months, when the returns considerably decreased and amount now to approximately £26 per week. He holds the premises on a lease granted in 1929 for a period of twenty-one years at a rental of £80 per annum. No proper books of account have been kept. The representative of the largest creditors intimated that unless a composition of 10s. in the £ was forthcoming they thought their clients would proceed to present a petition in bankruptcy. Since that date negotiations have been in progress with relatives of the debtor with a view to their guaranteeing a composition of 10s. in the £. This has now been done and a deed of composition has been duly executed. The composition is payable as to £100 on August 20 and the balance at the rate of £20 per month."

Stock Exchange Prices

| £1 Shares unless otherwise stated | Dec. 31, 1931 | | June 30, 1932 | | July 30, 1932 | |
|---|---------------|-----|---------------|-----|---------------|-----|
| | s. | d. | s. | d. | s. | d. |
| Allen & Hanburys, 7% Prefd. Ord. | 20 | 6 | 22 | 0 | 23 | 0 |
| Amalg. Dental Co., 8% Prefd. Ord. | 16 | 9 | 17 | 9 | 21 | 3 |
| " " Deferred 5s. | 2 | 6 | 3 | 6 | 3 | 6 |
| Ayrton, Saunders & Co., 7½% Pref. | 12 | 6 | 12 | 0 | 14 | 6 |
| Beechams Pills, Deferred 1s. shares | 1 | 10½ | 1 | 9 | 1 | 9 |
| Benger's Food, Ord. | 28 | 6 | 31 | 0 | 35 | 0 |
| Benzol & By Products cum. part Pref. | — | — | 1 | 3 | 1 | 0 |
| Berger (Lewis) & Sons Ord. | — | — | 13 | 0 | 15 | 0 |
| Boake (A.), Roberts & Co., 5% Pref. | 15 | 0 | 16 | 3 | 16 | 3 |
| Blundell Spence & Co. | — | — | 4 | 4½ | 4 | 4½ |
| Boots Pure Drug Ord. | 116 | 3 | 126 | 3 | 140 | 0 |
| Boots Pure Drug, 7% "A" Prefd. Ord. | 23 | 9 | 25 | 0 | 27 | 6 |
| Boots Cash Chemists (S.), 6% "A" Pref. | 21 | 9 | 23 | 0 | 26 | 0 |
| Borax Consold., Dfd. Ord. | 7 | 6 | 7 | 0 | 8 | 0 |
| Bovril, 6% Pref. | 21 | 3 | 21 | 9 | 24 | 9 |
| " Ord. | 21 | 3 | 23 | 3 | 26 | 0 |
| " Dfd. | 33 | 6 | 22 | 0 | 25 | 9 |
| British Cyanides, Ord., 2s. shares . . | 0 | 10½ | 1 | 4½ | 1 | 1½ |
| British Drug Houses, The, Ord. . . . | 15 | 0 | 11 | 3 | 12 | 0 |
| British Glues & Chemicals, 4s. Ord. | — | — | 1 | 9 | 2 | 0 |
| British Oil and Cake Mills, Prefd. Ord. | 26 | 0 | 29 | 3 | 33 | 6 |
| British Oxygen, Ord. | 13 | 9 | 9 | 6 | 12 | 6 |
| British Photo. Indus., 6% Cum. Prof. | 8 | 9 | 6 | 3 | 6 | 3 |
| Burt Boulton & Haywood Ord. | — | — | 16 | 0 | 18 | 0 |
| Bush (W. J.) & Co., 5% Pref. £5 . . . | 58 | 9 | 57 | 6 | 60 | 0 |
| Callard, Stewart & Watt, Ord. | 12 | 6 | 7 | 6 | 5 | 0 |
| Chance & Hunt 4% 1st Mort. Deb. £100 | — | — | £70 | — | £75 | — |
| Cooper McDougall & Robertson Ord. | — | — | 18 | 6 | 18 | 9 |
| Crosfield (Joseph) & Sons, 6½% Pref. | 20 | 3 | 23 | 6 | 25 | 0 |
| Drug Incorporated (no par value) . . | £78 | — | £36 | — | £48 | — |
| Dubarry Perfumery, Ord. 1s. | 5 | 0 | 2 | 3 | 2 | 6 |
| " " 7½% Pref. | 18 | 9 | 18 | 9 | 19 | 0 |
| Eastman Kodak Com. (no nom. value) | £118 | — | £55 | — | £63½ | — |
| Evans Sons Lescher & Webb, Ord. | — | — | — | — | — | — |
| " " 6s. 8d. shares | 2 | 3 | 1 | 3 | 1 | 3 |
| " " 6% cum. part. Pref. | 3 | 3 | 2 | 3 | 2 | 6 |
| Field (J. C. & J.), Ord. | 12 | 6 | 16 | 3 | 19 | 0 |
| Galloway (P. H.), Ord. 2s. | 2 | 6 | 2 | 6 | 2 | 9 |
| " " 7½% Cum. Pref. | 19 | 0 | 20 | 0 | 22 | 6 |
| Gossage (William), 6½% Pref. | 20 | 6 | 22 | 6 | 25 | 0 |
| Groat & Co., Ord. | 17 | 6 | 13 | 3 | 13 | 0 |
| Hodders, Ord. 1s. | 0 | 2 | 0 | 3 | 0 | 3 |
| Ilford, Ltd., Ord. | 24 | 0 | 20 | 0 | 17 | 0 |
| " " 6% Pref. | 18 | 9 | 21 | 0 | 22 | 6 |
| Imperial Chemical, 7% Pref. | 19 | 6 | 22 | 6 | 24 | 6 |
| " " Ord. | 14 | 3 | 14 | 3 | 17 | 0 |
| " " Dfd. 10s. | 4 | 3 | 3 | 4½ | 4 | 3 |
| Intern. Sponge Importers, 6% Pref. | 6 | 3 | 5 | 9 | 5 | 9 |
| Kent (G. B.) & Sons, 5½% Pref. . . . | 6 | 3 | 5 | 0 | 5 | 0 |
| Knight (John), 25% Prefd. Ord. . . . | 60 | 0 | 67 | 6 | 75 | 0 |
| Laporte (B.) & Co., Ltd., Ord. | 18 | 0 | 20 | 0 | 21 | 3 |
| Lever Bros., Ltd., 7% Pref. | 20 | 9 | 24 | 6 | 27 | 3 |
| " " 8% Pref. | 20 | 6 | 23 | 6 | 25 | 6 |
| " " 20% Prefd. Ord. £1 | 41 | 3 | 43 | 3 | 48 | 0 |
| Lewis & Burrows, Ord. | 22 | 6 | 21 | 3 | 23 | 3 |
| " " 6% Pref. | 16 | 6 | 16 | 6 | 17 | 6 |
| Libbig's Ext. of Meat, Ord. £5 | £8 | — | £7 | — | £8½ | — |
| Mellin's Food, 6% Pref. | 1 | 9 | 2 | 0 | 2 | 6 |
| Nathan (Joseph) & Co., 7% Pref. . . . | 13 | 9 | 11 | 3 | 13 | 0 |
| " " 8% Prefd. Ord. | 5 | 6 | 4 | 0 | 4 | 9 |
| Pears (A. & F.) 5% Deb. £100 | — | — | £95 | — | £100 | — |
| Phosferine (Ashton & Parsons) 8% cum. part. Ord. | 7 | 6 | 9 | 0 | 11 | 6 |
| Rockitt & Sons Ord. | — | — | 78 | 3 | 87 | 6 |
| Salt Union, Ord. | 26 | 3 | 23 | 9 | 26 | 3 |
| Sangers, Ord. 5s. | 7 | 3 | 8 | 9 | 9 | 9 |
| "Sanitas," The, Co., 9% Pref. | 21 | 3 | 23 | 9 | 27 | 6 |
| Sanitas Trust, 10% part. Pref. | 20 | 6 | 19 | 6 | 21 | 6 |
| Smith (Stephen) & Co. Ord. 5s. | 6 | 0 | 6 | 6 | 8 | 6 |
| Southall Bros. & Barclay, Ord. | 107 | 6 | 117 | 6 | 122 | 6 |
| " " 5% Pref. | 20 | 6 | 21 | 0 | 22 | 3 |
| Spratt's Patent, Ord. | 46 | 3 | 51 | 3 | 58 | 9 |
| Stevenson & Howell, 6½% Cum. Pref. | 17 | 0 | 16 | 3 | 18 | 9 |
| Taylor's Cash Chemists (Lon.) 1s. Dfd. | 0 | 7 | 0 | 3 | 0 | 3½ |
| Taylor's (Cash Chemists) Trust, 7½% Cum. Pref. Ord. | 9 | 9 | 7 | 0 | 11 | 3 |
| " " 1s. Dfd. | 0 | 7½ | 0 | 6 | 0 | 7½ |
| United Glass Bottle Man., 6% Mt. Deb. Stk., £100 | £100 | — | £105 | — | £110 | — |
| Veno Drug Co., 8% Pref. | 12 | 6 | 15 | 3 | 17 | 6 |
| Virol, Ltd., Ord. | 30 | 6 | 26 | 3 | 30 | 0 |
| " " 7% Pref. | 20 | 3 | 21 | 3 | 25 | 0 |
| White (A. J.), Ltd., Ord. 10s. | 11 | 3 | 13 | 4½ | 13 | 0 |
| White (Timothy), 7½% Prefd. Ord. | 16 | 9 | 17 | 6 | 21 | 3 |
| " " 1s. Dfd. Ord. | 1 | 3 | 1 | 0 | 1 | 4½ |
| Wright Layman & Umney (1932) 7% cum. Pref. | — | — | 20 | 3 | 22 | 3 |
| Yorkshire Indigo & Col. Dyers 5s. Ord. | — | — | 0 | 10½ | 6 | 10½ |

Notes from the Dispensing Counter

By "Junior Pharmacist"

IN any dispensing business interesting problems connected with prescriptions occur from time to time. Some of these only require manipulative skill for their solution; others require careful investigation on physical and chemical grounds, and may—with the prescriber's consent—need drastic modification before they are dispensed. The following are illustrative prescriptions:—

| | |
|----------------------------|--------------|
| Tinct. digitalis | 112 ℥ |
| Theobrom. et sodii sal. .. | 160 gr. |
| Tinct. nucis vom. | 80 ℥ |
| Sodii bicarbonatis | 160 gr. |
| Aq. menth. pip. | ad 8 fl. oz. |

Dispensed as written, a white flocculent precipitate separates. Theobromine-sodium salicylate is an unstable compound which is readily decomposed by acids, even by those which are very weak. Sodium bicarbonate, owing to the replaceable hydrogen atom, may be regarded as a weak acid. When added to the theobromine compound the theobromine is precipitated according to the equation:—

$$\text{NaC}_7\text{H}_7\text{N}_3\text{O}_2\text{C}_6\text{H}_4(\text{OH})\text{COONa} + \text{NaHCO}_3 = \text{C}_7\text{H}_7\text{N}_3\text{O}_2 + \text{C}_6\text{H}_4(\text{OH})\text{COONaNa}_2\text{CO}_3$$

sodium carbonate does not act similarly. Advised of this reaction the prescriber omitted the sodium bicarbonate.

Should the following prescription be dispensed?:—

| | |
|--|----------|
| Bromoformi | 20 ℥ |
| Aq. | ad 1 dr. |
| Mitte fl. oz. 2. Sig.: 1 drachm p.r.n. | |

The prescription orders ten times the usual maximum dose of bromoform. I have heard of a maximum single dose of 25 minims, while Martindale gives the maximum single dose as 8 minims. On communicating with the prescriber it was found that he intended a 20-minim dose of Collosol Bromoform. Co., which contains mss. of bromoform in each drachm. Incidentally, owing to the high specific gravity of bromoform and its insolubility in water, it should be dispensed as an emulsion when prescribed in aqueous vehicle. The bromoform is dissolved in three times its volume of almond or cod-liver oil and emulsified with acacia.

Luminal alone or its sodium salt is frequently prescribed nowadays. The following are three examples:—

| | |
|-------------------------|--------------|
| Luminal sodium | 8 gr. |
| Lithii acetylsal. | 80 gr. |
| Syr. zingiberis | 4 dr. |
| Aq. menth. pip. | ad 8 fl. oz. |

On dissolving the two salts in separate portions of the peppermint water and mixing the solutions, a fine crystalline and readily diffusible precipitate forms. Lithium acetylsalicylate hydrolyses in aqueous solution. The strongly alkaline luminal sodium reacts with the acetylsalicylate radicle with the precipitation of insoluble phenylethyl barbituric acid. Owing to the small amount of this latter compound the mixture is satisfactorily dispensed with a "Shake the Bottle" label.

| | |
|----------------------------|--------------|
| Luminal sodium | 6 gr. |
| Ammon. brom. | 2 dr. |
| Tinct. valerian. ammon. .. | 4 dr. |
| Syr. zingiberis | 4 dr. |
| Aq. chlor. | ad 8 fl. oz. |

The strongly alkaline luminal sodium liberates ammonia from the ammonium bromide, insoluble phenylethyl barbituric acid being precipitated. The prescriber consented to the substitution of potassium bromide, which avoids this incompatibility. As the incompatibility depends on the alkaline nature of the luminal sodium it is quite compatible with the tinct. valerian. ammon.

| | |
|--------------------------|--------------|
| Sodii bicarbonatis | 72 gr. |
| Luminal | 6 gr. |
| Novalgin | 48 gr. |
| Sodii sal. | 48 gr. |
| Spt. chlorof. | 60 ℥ |
| Tinct. nucis vom. | 24 ℥ |
| Tinct. aconiti | 4 ℥ |
| Syr. zingiberis | 6 dr. |
| Aq. | ad 6 fl. oz. |

It is unnecessary to substitute an equivalent amount of luminal sodium for the luminal, as the latter is soluble in a warm solution of sodium bicarbonate. Two grains of sodium bicarbonate is taken for every three grains of luminal, about one fluid ounce of water added and the mixture gently warmed until solution is effected.

How should the following prescription be dispensed?

| | |
|----------------------------|--------------|
| Pot. brom. | 160 gr. |
| Tinct. valerian. aquos. .. | 2 fl. oz. |
| Aq. | ad 8 fl. oz. |

No mention of an aqueous tincture of valerian could be traced in any of the available reference books. The prescriber objected to the bulky resinous precipitate given by the present B.P. tincture on dilution with water, and also wished to avoid the administration of a spirituous preparation. A preparation on the lines of tinct. valerian. ammon. B.P. was made, using:—

| | |
|----------------------------|--------------|
| Ext. valerian. sicc. | 30 gr. |
| Ol. limonis | 2 ℥ |
| Ol. myrist. | 4 ℥ |
| Aq. | ad 2 fl. oz. |

Mix and strain through fine muslin

The following lotion caused trouble:—

| | |
|--------------------|--------------|
| Ol. ricini | 2 dr. |
| Sulphur ppt. | 2 dr. |
| B-Naphthol | 1 dr. |
| Bay rum | ad 4 fl. oz. |

This had previously been dispensed without complaint. Then it was returned owing to the separation of an unsightly, yellow, putty-like mass. Evidently some samples of bay rum contain less spirit than others, consequently they do not mix with the castor oil. This sinks to the bottom and forms a homogeneous mass with the sulphur. Substitution of industrial methylated spirit, suitably perfumed, avoided any further trouble.

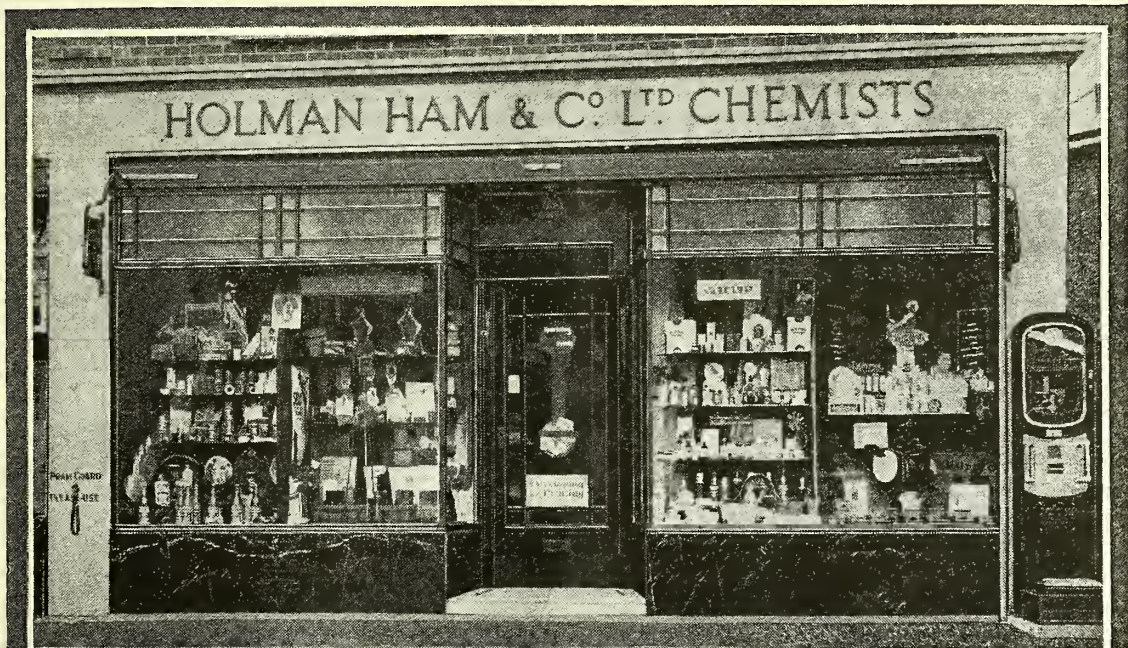
| | |
|----------------------|--------------|
| Phenol. | 2 gr. |
| Iodi | 3 gr. |
| Paraffin. liq. | ad 1 fl. oz. |

This prescription should present no difficulty; but I have heard of one chemist who attempted to dissolve the iodine by the addition of potassium iodide. The finely powdered iodine should be added to the liquid paraffin and digested on a water bath until dissolved, gentle heat only being used. To the nearly cool solution the finely powdered phenol should be added and stirred until dissolved.

| | |
|--------------------------------|--------------|
| Acid. carbol. liq. | 10 per cent. |
| Pasta zinci ot gelatini co. .. | 4 fl. oz. |

Attempts to obtain a presentable preparation by melting the Unna's paste on a water bath and then adding the liquified carbolic acid were unsuccessful. Although the mixture was homogeneous when warm, separation occurred on cooling, more liquid being liberated than was originally present in the liquified carbolic acid. Apparently it is a case of "partial miscibility," some of the water in the paste being "seeded out" by the small quantity of water present with the phenol, although the phenol is soluble in the glycerin. In any case, the 10 per cent. of phenol might have an injurious action on the skin. With the consent of the prescriber a presentable mixture was prepared using 5 per cent. of phenol.

A New Pharmacy at Polsloe Bridge



Trade Notes

MINORA safety razor blades are advertised in this issue by Moorgate Blade Co., Ltd., Finsbury Pavement House, 120 Moorgate, London, E.C.2.



SOAP LEAVES.—Papier Poudre, Ltd., 46 Baker Street, London, W.1, are placing on the market booklets of soap leaves. As will be appreciated from the photograph of the showcard (the booklets are stored in the pocket at the back) the convenience of soap in so portable a form should have a strong appeal, especially when travelling.

GORDON GORDON (LONDON), LTD., 2 Alfred Place, London, W.C.1, are now the distributing agents for Princess Pat beauty preparations.

HOUGH, HOSEASON & Co., LTD., manufacturing chemists, Bridge Street Manchester, in their advertisement in this issue, stress the importance of judicious buying.

DISPLAY MATERIAL.—Dudley & Co., Ltd., Holloway Road, London, N.7, have designed the Regal display set which is admirably suited for such lines as cameras, perfumes and toilet articles generally. The outfit comprises a folding background and half-a-dozen pedestals. These are constructed of millboard and covered in grained gilt paper.

AN ATTRACTIVE SHOWCARD.—George King & Co., Ltd., Sycamore Street, London, E.C.1, offer to send the delightful showcard "featuring"



"Sam—the K9 pup" to chemists who stock this food. The showcard is an actual photograph (10 in. by 8 in.) on a grey mount and should prove an excellent advertisement for the product referred to. K9 food, while specially suitable for weaning puppies or kittens, is also an admirable diet for invalid animals, since it is easily digested.

ILFORD, LTD., photographic material manufacturers, Ilford, have sent us copies of their latest publications, including "Making of Slides and Transparencies on Ilford Lantern Plates," "Some Notes on Infra-red Photography," "Ilford Hypersensitive Panchromatic Plates," and a copy of the company's latest price list. The last mentioned gives details of grades of the associated companies' plates and papers which are still being marketed. Messrs. Ilford will be pleased to send on request any of the above literature to C. & D. subscribers.

ANZORA.—Anzora Perfumery Co., Ltd., 28 Willesden Lane, London, N.W.6, are utilising the front page of the "Daily Mail" on August 11 to call attention to their well-known hair fixative. Chemists desirous of linking up with this publicity will be interested in the bonus offer and show material available, particulars of which will be sent on application.

A. DE ST. DALMAS & Co., LTD., Leicester, have drawn our attention to their malt extract and cod-liver oil combined with chemical food. This is described as cherry flavoured; certainly any disagreeable odour and taste has been excellently disguised. The product is packed in 1 lb. and 2 lb. jars, which are attractively labelled. There is also a striking showcard available.

G. H. GLEDHILL & SONS, LTD., Halifax, inform us that the demand for their cash registers is so great that a three-storey extension has just been added to the works. No finer tribute could be paid to these popular tills, which commonly give thirty years' trustworthy service. The company's handsome catalogue, describing over thirty models, will be sent on request, and Messrs. Gledhill will gladly show how their products can be adapted to the peculiar needs of any business.



A showcard of unusual shape and attractive colouring, which is being issued by Bristol-Myers Co., Ltd., London, S.E.1.



A cut-out stand designed to hold any standard size wrapped tablet of Vinolia soap.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1932, p. 339.

(From "The Trade Marks Journal," July 20, 1932.)

- "KLEARWELL"; for preparations for destroying rats, etc. (2). By The Rodent & Insect Pest Destruction Co., Ltd., 69A Saneroff Street, Kennington, London, S.E.11. B 525,052.
- "RYDITO"; for a preparation for coughs and colds in horses (2). By J. S. Mahew, "Mayflower," Combe Down, Bath, 528,826.
- "BEBBINGTON'S DEATH-WATCH BEETLE DESTROYER" on triangular design ("Bebbington's disclaimed"); for insect destroying preparations (2). By C. E. Bebbington, Poplar Cottage, Northwich Road, Weaverham, Cheshire. 531,743.
- "DALMEDO CURE" over facsimile signature "John Dalmedo" ("Dalmedo Cure" disclaimed); for medicinal chemicals (3). By J. Dalmedo, 19 Bell Lane, Gibraltar. 532,311.
- "BI-NA-GLUNATE"; for medicinal chemicals (3). By The Drug Products Co., Inc., 26-32 Skillman Avenue, Long Island City, New York, U.S.A. 532,439.
- "OVOBROL"; for medicinal chemicals (3). By The Hoffmann-La Roche Chemical Works, Ltd., 51 Bowes Road, Palmers Green, London, N.13. 531,960.

Births

Notices for insertion in this column must be properly authenticated.

GRIERSON.—At 30 Parkhill Drive, Rutherglen, Glasgow, on July 21, the wife of Thomas Grierson, chemist and druggist, of a daughter.

Marriages

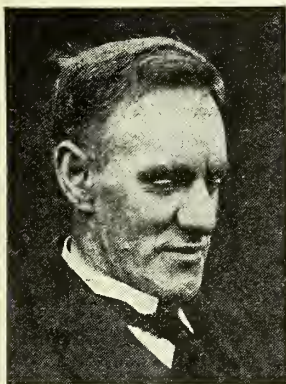
ADAMS—TURNER.—At Belmont Wesleyan Church, Stoke, Plymouth, on July 25, Alfred John Adams, chemist and druggist, to Hettie Alice Turner.

IBBOTSON—MORTON.—At St. Mary's Church, Whitkirk, Leeds, on July 11, G. D. W. Ibbotson, chemist and druggist, Castleford, to Phyllis Morton.

Deaths

BLOODWORTH.—At New End Hospital, London, N.W.3, on July 10, Mr. Thomas Bloodworth, chemist and druggist, aged seventy-six.

CONROY.—At his residence in Newcastle-upon-Tyne, on July 31, after a brief illness, Mr. Alfred Naylor Conroy, managing director of Forster & Co., Ltd., chemists, 105 Clayton Street, aged sixty-five. Messrs. Forster's business was founded in 1840 by Mr. Frank Marshall, who was a dentist and druggist. Last year Mr. Conroy celebrated the jubilee of his engagement by his uncle, then the proprietor. Details of the presentation made to him and of the history of the shop were given in THE CHEMIST AND DRUGGIST, 1931, I, 92; among other matters, the fact was recorded that for more than sixty years the shutters have never been taken down. Mr. Conroy leaves a son—Mr. G. W. Conroy, chemist and druggist, who is a director of Forster & Co., Ltd.—and a daughter.



MR. A. N. CONROY

ELLIMAN.—At Chesham, on July 14, Mr. Edgar George Elliman, chemist and druggist, aged sixty-four.

GALBRAITH.—At High Wold, East Hill, Sanderstead, on July 31, Mr. Robert Douglas Galbraith, chairman of Galbraith & Grant, Ltd., produce merchants, 11 Billiter Square, London, E.C.3.

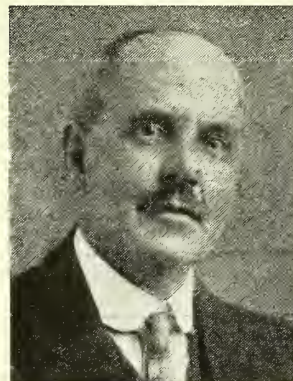
KNOX MAWER.—At Resthaven, Wrexham, on July 29, George Arthur, elder son of Mr. and Mrs. G. R. Knox Mawer (R. Rowland & Co., Ltd., chemists), aged sixteen. "Called to higher service."

LLEWELLYN.—At his residence, 8 Northfield, Bridgewater, on July 22, suddenly, Mr. Lewis Herbert Llewellyn, chemist and druggist, aged seventy-two. Mr. Llewellyn went to Bridgewater shortly after qualifying in 1880, and established a business at 15 Penel Orlieu, which he carried on till the time of his death. He leaves a widow and two sons.

ORAM.—At 22 Abbey Water, Romsey, on July 21, Mr. Frank Oram, J.P., Ph.C., aged sixty-eight. Mr. Oram carried on business at Romsey for a long period,

retiring about six years ago. He was the first chairman of the local chamber of trade.

HARRIS.—In a nursing home at Eastbourne, on July 24, Major George William Harris, J.P., chemist and druggist, "Slaybrook," Hampden Park, aged sixty-three. Major Harris was a native of Nottingham, where he was educated. He opened a pharmacy in Sun Street, Canterbury, about thirty years ago in partnership with the late Mr. Herbert Walker. Branches were subsequently added at Hastings, Ashford, Whitstable and Sandwich. Major Harris served for several years on the Bridge Rural Council and Board of Guardians, and on the Canterbury Board of Guardians. He was a Past Master of Lodge 1449 and in 1925



Photo] [Fisk-Moore
MAJOR G. W. HARRIS

he was appointed Provincial Grand Sword Bearer of the Province of Kent. During the recent war he held a commission in the Royal Army Medical Corps, was thrice mentioned in dispatches for distinguished service in the field, and was promoted to the rank of major. He retired a few years ago.

PATON.—At 10 Montgomery Avenue, Sheffield, on July 29, suddenly, Bertha, the wife of Mr. R. A. Paton, chemist and druggist.

SNOWDON.—At his residence, Balmoral Terrace, Gosforth, on July 30, Mr. George Henry Snowdon, formerly managing director of Wilkinson & Simpson, Ltd., manufacturing and retail chemists, Low Friar Street, Newcastle-upon-Tyne, aged seventy-eight. Mr. Snowdon retired a few years ago, after forty years' service with the company. He is survived by a widow.

Personalities

MR. ALEC S. JOHNSON, chemist and druggist, chairman of Robert Drane, Ltd., chemists, Cardiff, has been appointed a justice of the peace for the city.

MR. HERBERT SKINNER, chairman of the British Pharmaceutical Conference and a past-president of the Pharmaceutical Society of Great Britain, is starting for New York by the s.s. Scythia from Liverpool on August 6. Mr. Skinner will meet Mr. Marns in New York, and will go on by way of Philadelphia (visiting the Philadelphia College of Pharmacy) and Detroit to Toronto, where he will address the Convention on August 26 as a delegate of the Pharmaceutical Society. He will afterwards visit Ottawa and Montreal, returning to this country at the end of August in preparation for the Aberdeen meeting of the Conference.

In a recent communication to the "Blackpool Times," Mr. P. T. Ormerod, chemist and druggist, made a vigorous reply to a Mr. J. A. Hurstfield, who was reported as saying at a meeting of the local Insurance Committee: "I have been wondering if a chemist's chief concern is the selling of lipstick and face powder and offering films, rather than looking after his main job, which is dispensing." "Chemists," Mr. Ormerod said, "are only too pleased to do dispensing work. It is ridiculous to suggest that they are more anxious to sell lipstick or camera films." A similar statement by Mr. Ormerod appeared in the "Western Lancashire Evening Gazette."

Telegrams: "Aloesine Sedist, London."



Telephone: Berrymondsey 1141

John Bell, Hills & Lucas Ltd.
Our COLLOIDAL SUNBURN LOTION IS UNIQUE
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THE CHEMIST AND DRUGGIST

VOL. CXVII AUGUST 6, 1932 NO. 2739

A Defective Statute

THE decision of the Court of Appeal reported in our issue of July 30 (p. 102) is as disconcerting as it was unexpected. The Court have held, by a majority, Lord Justice Greer dissenting, that the county court judge, before whom the case was tried in the first instance, made no error in law in giving judgment against the Pharmaceutical Society. There was evidence before the county court judge, which he accepted, that the defendant, who was a pharmacist in business, left his business in charge of an unqualified assistant for as many as forty-two hours a week while he himself was employed elsewhere in the service of the Air Force. Upon these facts the Society, having taken the precaution of making purchases of poisons during the defendant's absence on three different dates, claimed a penalty under the Pharmacy Acts on the ground that his business was not *bona fide* conducted by himself or some other pharmacist. The county court judge referred to the judgments in the automatic machine case (*C. & D.*, 1931, I, 508), and basing himself upon those judgments held in effect that although the defendant "had not time to attend to his business properly"—as the judge expressed it—yet he did attend to it sufficiently to enable the judge to hold that no offence had been committed.

A Hastily Drafted Provision

This decision, and the decision in the automatic machine case, would have surprised those who, on behalf of the Society, secured the insertion in the 1908 Act of the provision that the business carried on by a pharmacist must be *bona fide* conducted by himself or by some other pharmacist. If the decision of the Court of Appeal is right, it is clear that they failed in their object; and it is unfortunately true that the Section might have disclosed its meaning more plainly, and that it bears internal evidence of being hastily drafted. This is a fault commonly found in a statute which has reached the statute book, as the Poisons and Pharmacy Act of 1908 did, under the threat—uttered at the last moment before the Bill is to be considered by Parliament—that no time will be found for a contested measure, and that the Bill will be lost unless some compromise can be made between its promoters and its antagonists. It happens only too often in such circumstances that the Bill owes its phraseology not so much to the desire for clear expression as to the need for a form of words the vagueness of which allows each of the conflicting parties to think that he has got what he wanted. Whatever may be the explanation of the uncertainty, the interpretation now put upon the provision in question makes it clear that this provision does little or nothing to promote the interest

of the public in securing the proper discharge of the responsibilities of a pharmacist.

The Consequences of the Decision

This interpretation seems to leave it open to the Courts to find that a pharmacist is not committing any breach of the Act unless he attends so little to his business that for practical purposes he does not attend to it at all; and if the Society, in order to enforce Section 3 (1) of the Poisons and Pharmacy Act, must take upon themselves the burden of proving in any particular case that so little attention is paid by a pharmacist to his business, it will probably be found impossible to obtain the necessary evidence and the subsection will become a dead letter. It is not in the public interest that such a state of affairs should continue. Lord Justice Scrutton, in the course of the argument, jocularly referred to the chemist's boy in "The Pickwick Papers," and later asked why a chemist should not be allowed to leave his business if, before doing so, he forbade any unqualified assistant to handle poisons. May it not be respectfully suggested that the object of the 1908 Act was to prevent the business of a chemist from being left in charge of a boy who did not know the difference between Epsom salts and oxalic acid, and that it would not be much use forbidding such a boy to handle poisons if he did not know what is a poison and what is not?

Academic Pharmacy in Northern Ireland

THE degree of Bachelor of Science in Pharmaceutics of the Queen's University of Belfast was instituted in so modest a fashion that it has received less attention than it merits. For students who aim at becoming teachers, analysts or representatives of manufacturing houses supplying medical men, the advantages of a degree are obvious; and it is somewhat surprising to find that up to the present only two candidates, as far as we are aware, have entered for this B.Sc. in Pharmaceutics. The practical question for anyone who contemplates securing this academic distinction is whether it should be taken instead of, or in addition to, the Licence examination of the Pharmaceutical Society of Northern Ireland. We understand that some interchange of exemption from study is contemplated by the University and the Society; pharmaceutical students will thus find their path to a degree made somewhat easier than that of the general class of aspirants. As matters stand, the newly qualified pharmaceutical chemist of Northern Ireland needs, it is estimated, two years' full-time or four years' evening study to pass the examinations for the degree. While the relation of the degree to the Licence diploma is being discussed between the University and the Society, the granting of two or three honorary degrees to the pharmacists who have been active in linking up the Society with the University might serve a useful purpose, in addition to the honour conferred on the recipients, in drawing attention to the existence of the degree and its value. The tendency in modern life is to make use of university training and acquirements in almost every sphere, and pharmacy should be no exception to this rule.

A CHELSEA POLYTECHNIC OLD STUDENTS' ASSOCIATION is to be inaugurated at a meeting to be held on November 4 next, on the occasion of the opening of the Polytechnic Extension. Old students who desire particulars of the Association should address communications to the Honorary Secretary, Chelsea Polytechnic Old Students' Association, Manresa Road, Chelsea, London, S.W.3.

Pharmaceutical Society of Great Britain

Council Meeting

A MEETING of the Council was held at 16 Bloomsbury Square, London, W.C.1, on August 3, Mr. F. Gladstone Hines (president) in the chair. There were seventeen members present.

The PRESIDENT referred to the absence of several members. Mr. Parry, he said, was still not well, but it was hoped he would be able to leave home for a change of scene and air. The treasurer, also, was indisposed. Mr. Marns, he believed, was now on his way to Canada.

DEATH

The PRESIDENT announced that it had been his duty to attend the funeral a few days ago of one of his distinguished predecessors in the office of president, Mr. Walter Hills, a man whose life was of such high purpose that it was an inspiration to all of them. Mr. Hills was a link between the present generation and the spacious days of the pioneers who were responsible for the foundation of the Pharmaceutical Society. Fitting and well-deserved tributes to him had already been published. His face, at least, was familiar to all in the Council chamber, where his portrait bore the imprint of those attributes they all so richly prized. Few of them could remember Mr. Hills's work, but Mr. Rowsell was a colleague of his for a period. For thirty years up to 1910 Mr. Hills was engaged in public work for pharmacy. The president added that he desired, on his own behalf, and on behalf of the Council and members of the Society, to extend to Mr. Hills's family the deepest sympathy, and most especially to extend sympathy to Mr. Hills's life partner, who now mourned his passing.

Mr. ROWSELL said he wished to say a word or two regarding Mr. Hills, with whom it had been his privilege to be associated in Council work. Mr. Hills was a man who was looked up to and one who brought a wealth of knowledge to work on behalf of pharmacy. He (Mr. Rowsell) joined with the president in expressing the sympathy of all connected with pharmacy with Mr. Hills's relatives. Mr. Hills was a link with the founders of the Pharmaceutical Society, and he (the speaker) was proud that he had been able to continue that link by association with Mr. Hills at the Council table.

The VICE-PRESIDENT said he would always be pleased to remember that it was Mr. Walter Hills who gave him the warm shake of the hand which acquainted him with the fact that he had become a member of the Society. He had had the pleasure of meeting Mr. Hills on many occasions since that day, and had many recollections of his kindness.

The Council stood in silence as a tribute to Mr. Hills's memory.

ELECTIONS AND RESTORATIONS

One hundred and seventy-three persons were elected members of the Society and seven persons as student-associates. A number of persons were restored to the Society, and one was restored to the Register. The registrar reported that since the last meeting sixty-seven persons had been registered as apprentices or students.

HERBARIUM COMPETITION

Mr. T. E. Wallis, the examiner for the herbarium competition, submitted a report, stating that three herbaria were submitted. None of them, the report continued, was a really satisfactory collection of well-preserved plants. The best of those entered was prepared by Albert Thomas Reed, of Yeovil. It was recommended that a bronze medal be awarded to him.

The PRESIDENT said the report was not encouraging, but it reflected the low standard reached in botany in recent times.

Mr. JACK suggested that the age limit for the examination might be raised. He knew of several apprentices who had been anxious to enter, but were debarred an account of their age. There was now a tendency for apprentices to go in for pharmacy at a later age than formerly, and to raise the limit would be in keeping with practice in other branches of education.

The PRESIDENT thanked Mr. Jack for the suggestion, and said it would be no doubt be kept in mind by the Education Committee.

The report was adopted, and Mr. Wallis was thanked for conducting the examination.

SCHOLARSHIP EXAMINATIONS

The secretary reported that the following numbers of candidates had entered for the respective scholarship competitions:—Jacob Bell, 49; Manchester, 20; Leverhulme, 62; Devon and Cornwall, 5. The following candidates were found, after the usual adjustments, to have the highest marks in the respective competitions:—

Jacob Bell Scholarship.—William Rigby, Leicester.

Leverhulme Scholarships.—Leonard Wall Howard, Derby; Stanley William Hughes, Leeds; Donald William Robinson, Hull.

Devon and Cornwall Scholarship.—Phyllis E. M. Bryan, Exmouth.

The Council awarded the scholarships accordingly.

The following awards were also made:—

Ransom Research Fellowship.—Robert Patrick Edkins, London.

Rammell Studentship.—John Charles Gage, London.

BRITISH MEDICAL ASSOCIATION CENTENARY

The PRESIDENT said he had had the honour recently of representing the Council at functions in connection with the centenary celebrations of the British Medical Association, and he hoped that when the time came they would be able to return the compliment.

Mr. MELHUSH expressed his appreciation of the Javish hospitality accorded him by the Association. The receptions and other functions had been most successful, and were all characterised by a spirit of geniality. He had never experienced such excellent organisation. A number of distinguished pharmacologists had visited the Society's house, and been shown round it. They had been very much interested and impressed, and had endorsed the efforts of the Society in regard to the provision for pharmacology.

THE VACATION COURSE

The PRESIDENT reported on the vacation course, which, he said, might be described as a very successful experiment, which should be repeated next year, and continued in succeeding years. The full course attracted twenty-three entries, and it was of interest to note that of those two or three were members from overseas, who took advantage of their vacation to attend the course. In addition to those who took the full course, there was an average daily attendance of about ten. He wished to thank the lecturers for the very real personal interest they had taken in this experiment. There was a very helpful discussion at the final session, and a keen desire was expressed that the course should be repeated next year. He hoped the experiment would not be limited to London, and that Scotland would rise to the occasion.

Mr. ROWSELL said it was very gratifying to hear such a report on the vacation course. He sincerely hoped that the course would be repeated next year, and that members throughout the country who, perhaps, did not

become acquainted with the arrangements early enough to attend this year, would be able to fit in with it next time. He paid a cordial tribute to Mr. Humphrey for having suggested the course to the Council.

Mr. HUMPHREY said he did not think long enough notice of the course was given this year, and members should really know six months ahead. It might also be desirable to have the course earlier in the year, and he suggested that the arrangements should be considered in October. The lecturers were certainly deserving of thanks.

EDUCATION COMMITTEE

The report of the Education Committee showed that a number of schools had been approved for subjects required by the Society's examinations. Arising out of the report, it was resolved that the following public notice be given:--

"Candidates for examinations held before July 1933 will not be expected to possess a knowledge of the British Pharmacopœia, 1932. At the examination to be held in July 1933, and at subsequent examinations, candidates will be examined on the assumption that their training since October 1932 has been based on the British Pharmacopœia, 1932."

The report was adopted.

BENEVOLENT FUND COMMITTEE

The report of this Committee showed that thirteen applications had been received and grants made, ranging from £10 to £30. In the quarterly summary it was stated that the total number of cases dealt with was thirty-eight, grants made thirty-five, total disbursements £619. During the same period the total receipts amounted to £1,282 7s. 11d. The following special contributions were acknowledged:—A. Wander, Ltd., £100; North Staffs Branch, £15 17s. 4d.; C. J. V. Bellamy, £6 6s.; Southall Bros. & Barclay, Ltd., £5 5s.; A. Ball, £4 4s.; Anonymous, £2 17s. 9d.; Huddersfield and District Branch, £2 16s.; M. Firth, £1 5s.; J. T. Davies, Ltd., £1 5s.; Watford Branch, £1 1s. 3d.; H. R. Lowther, £1; Shipley District Pharmacists' Association, 11s.

Mr. BEARDSLEY regretted that the list of special contributions was smaller than usually, but the donation of £100 from Messrs. Wander was very gratifying. This firm had now contributed a total of £900, and the fund had also received £200 in personal donations from Sir Harry Hague, the managing director. He reminded members that there were many little services which pharmacists rendered to the public and for which they could not make a charge. The report was adopted.

WAR AUXILIARY BENEVOLENT FUND

The Committee of the Fund reported that since the last meeting they had received five applications, and grants had been made, or were now recommended, ranging from £26 to £40. The summary for the three months ending June showed that fourteen cases had been dealt with, and grants made in ten cases amounting to £251 6s. The report was adopted.

FINANCE COMMITTEE

The financial statement showed that receipts since the last meeting, including a balance of £6 9s. 6d., amounted to £9,078 10s. 6d., comprising the following items:—Subscriptions, £388 4s. 9d.; registration fees, £113 8s.; restoration fees and certificates of qualification, £2 2s.; examination fees, £8 8s.; School—University Grant, £125; Pharmacological Laboratories, £245 6s.; penalties and expenses, £64 9s.; interest, £10 9s. 2d.; rentals, £611 15s.; "Pharmaceutical Journal," advertisements, etc., £773 1s. 9d.; Quarterly Journal, £19 14s. 6d.; "Pharmaceutical Pocket Book," £7 17s. 5d.; Registers, £8 15s.; examination papers, £1 17s.; Pharmaceutical Press publications, £10 9s. 5d.; "Forensic Pharmacy," £2 12s. 11d.; B.P. Codex, £23 9s. 6d.; F.S.S.U. contributions, £20 4s. 9d.; vacation course, £28 17s. 6d.; transfer from deposit account, £6,600; sundries,

£5 19s. 4d. Payments ordered at the last meeting amounted to £9,060 7s., leaving a balance of £18 3s. 6d. The balances on the other accounts were:—Benevolent Fund (current account), £22 18s. 9d.; Benevolent Fund (donation account), £16 12s. 8d.; War Auxiliary Benevolent Fund, £36 3s. 6d.; Orphan Fund, £34 8s. 2d. The report recommended that accounts amounting to £12,228 12s. 5d. be paid, and that the action of the secretary in making payments amounting to £1,361 6s. 10½d. be approved. The report was adopted.

LAW COMMITTEE

The report of the Law Committee, presented by the PRESIDENT, stated that in England and Wales, since the last report, 533 shops had been visited; of these 304 were chemists' shops. In 302 chemists' shops a certificate was exhibited. In the remaining two shops certificates are now exhibited. At thirteen of the remaining 237 shops certain infringements of the Pharmacy Acts were reported. In Scotland, since the last report, seventy-nine chemists' shops have been visited. In all these shops certificates were exhibited.

This was all the public business.

Branch Meetings

Ipswich.—The annual meeting of the Ipswich and District Branch was held on July 18. Officers for the ensuing year were elected as follows:—*President*, Mr. L. Piper; *Treasurer*, Mr. J. A. Symonds; *Secretary*, Miss L. M. Humfress, 3 St. Matthew's Place, Ipswich; *Committee*, Misses Bird and Bradford, Messrs. S. J. Stearn, A. H. Veale, F. W. Wiggin and J. C. Wiggin. A vote of thanks was accorded to the retiring president, Mr. S. J. Stearn. It was decided to hold a dinner early in November.

Wills

MR. DANIEL McMILLAN McDougall, 42 High Street, Elie, Fife, chemist and druggist, who died on March 29 last, left personal estate in Great Britain valued at £2,094.

MR. JOHN ANDREW SMALL, "Damoy," 53 Hillhouse Road, Blackhall, Edinburgh, chemist and druggist, who died on March 11 last, left personal estate in Great Britain valued at £4,519.

MR. WILLIAM BOOR, Newton, Monica Road, Wisbech St. Peter, Cambs, chemist and druggist, who died on December 5 last, aged eighty-four, left estate of the gross value of £40,870, with net personalty £40,152 1s. 5d.

MR. MARK SMITH, J.P., of Craiglee, Louth, Lincs, chemist and druggist, a member of Louth Town Council, twice Mayor of the Borough, who died on February 7 last, aged eighty-six, left estate gross value £3,441, with net personalty £1,157.

MR. WESTON POOLE, J.P., 4 Northcote Place, New-castle-under-Lyme, Staffs, pharmaceutical chemist, for twelve years a member of the Town Council, who died on March 5 last, left estate gross value £11,787, with net personalty £10,443.

MR. HENRY EDWARD PURKIS, J.P., Elm Side, Church Road, Malvern Link, Worcs, chairman of Hepworth, Ltd., chemical manufacturers, Kidderminster, for several years a member of the Worcester County Council, died on October 4 last, aged eighty, leaving £7,686, with net personalty £7,068.

SIR EDWARD PACKARD, D.L., J.P., The Grove House, Bramford, Suffolk, late chairman and managing director of E. Packard & Co., of Ipswich and London, agricultural chemists (now Fison, Packard & Prentice, Ltd.), who died on April 11 last, aged eighty-eight, left estate gross value £36,513, with net personalty £29,081.

The British Pharmacopœia, 1932

The fourth instalment of the review of the contents of the new British Pharmacopœia, commenced in our issue of July 16 (p. 67) and continued in the two following issues (pp. 90, 115), concludes the notes on additions to official drugs and chemicals.

METHYLTHIONINÆ CHLORIDUM, syn. Methylene Blue, becomes official. It should contain not less than 80 per cent. of $C_{16}H_{18}N_3ClS$. The dose is 1-5 gr. The arsenic limit is 10 parts per million, and there is also a zinc limit test. It has vogue in some inflammations of the urinary passages and as an analgesic in rheumatism.

NEOARSPHENAMINA has for its synonyms Novarsenobenzol and Novarsenobenzene. It was introduced under the name of neosalvarsan, and is a soluble sodium salt of salvarsan capable of being given in less water than the original. It is usually distributed in ampoules (air-free, or in the presence of a neutral gas) through the V.D. clinics by local authorities. The product is governed by the Therapeutic Substances Act, 1925.—**SULPHARSPHENAMINA**, syn. Sulpharsenobenzene, known generally under the trade name of sulpharsenol, is another salt coming under the same Regulations as neoarsphenamina. These salts are stated to contain approximately 20 per cent. of arsenic.

OLEUM CHENOPODII, syn. Oil of American Wormseed, is distilled from the fresh flowering and fruiting tops of *Chenopodium ambrosioides*, var. *anthelminticum*. It is used in 3-15 minim doses against round worms and hookworms (which it paralyzes), and must be followed by purgation. It is another drug from U.S.P. X.

OLEUM GOSSYPII SEMINIS, Cottonseed Oil, from cultivated species of gossypium, becomes official, probably owing to its use internally when a saponifiable oil is indicated, as well as in some liniments such as that of camphor in the National Insurance Formulary. The dose is $\frac{1}{2}$ -1 fl. oz. The inclusion of this oil serves to show the catholicity of the new B.P. in things used medicinally, as no one can ascribe any properties to this oil better than those observed in other more frequently used oils. It is fairly common in Canada.

OLEUM HYDNOCARPI is a fatty oil obtained from fresh ripe seeds of *Thymocarpus Wightiana*, and in addition there is also **OLEUM HYDNOCARPI ÆTHYLICUM**—ethyl esters of the oil. These two drugs become official. In the old Pharmacopœia we had *Oleum Chaulmoogræ*, the synonym being *Oleum Gynocardia*, which was a confusion. It is now displaced. Considerable work has been done on these different oils during the last few years, and ideas on their relationship clarified. The therapeutic uses are in treatment of leprosy, externally as well as internally. The official recognition should serve to standardise what is required by the therapist for this disease. The oil is given in 0.3-1 mil doses, increasing to 4 mils, intramuscularly; or by subcutaneous injection (2 mils, increasing to 5 mils). With the ethyl esters the dose is similar. Provision must be made for sterilisation and storage.

OLEUM SANTALI AUSTRALIENSIS is the recognition of an Empire production of sandalwood oil distilled from the wood of *Eucarya spicata*. The dose is the same as that of *Oleum Santali*.

ORTHOCAINA, $HO.C_6H_3(NH_2)CO_2.CH_3$, introduced as orthoform new, is the methyl ester of meta-amino-para-hydroxybenzoic acid. It is used as a surface anæsthetic in the form of a dusting powder. The dose is given as $\frac{1}{2}$ -3 gr.

PANCREATINUM, the preparation of the pancreas containing the enzymes of trypsin, amylase and lipase, becomes official. Assay is provided for each enzyme; if in each assay there is an activity in excess of that demanded, the pancreatin may be diluted with lactose provided that the dilution complies with all three assays. The dose is 3-10 gr.

PHENOBARBITONUM, syn. Phenobarbital (C_8H_7)(C_6H_5)C.CO.NH.CO.NH.CO, and the sodium soluble salt **PHENOBARBITONUM SOLUBILE**, are condensed products of ethyl-phenyl-ethyl-malonate with urca, introduced under

the trade names of luminal and luminal sodium, and known also as gardenal and gardenal sodium. The official dose is $\frac{1}{2}$ -2 gr. This has become the favourite medicament in treatment of epilepsy.

PHYSOSTIGMINA SALICYLAS, syn. Eserine Salicylate, $C_{13}H_{21}O_2N_2C_7H_5O_3$, replaces the sulphate of the same alkaloid. It is the salt for lamella and oculentum. Theoretically, it is supposed to be less liable to change on storage.

PROCAINÆ HYDROCHLORIDUM, syn. Ethocaine Hydrochloride (by which it is known in the B.P.C.), $NH_2.C_6H_4.CO_2.C_2H_5N(C_2H_5)_2HCl$, was introduced under the trade name novocain. It is the hydrochloride of the base prepared by the interaction of chloro-ethyl-diethylamine and sodium para-amino-benzoate. It is known as procaine hydrochloride in the U.S.P. X.; it will be noted that, wherever possible or desirable, B.P. new names have been brought into line with those of the U.S.P. It is also known under various other names. It is used as a local anæsthetic, sometimes with adrenalin (to limit the anæsthesia). Though there are other well-known local anæsthetics, procaine hydrochloride has become well established. Tests are given to distinguish it from benzocaine and orthocaine. The dose is $\frac{1}{2}$ -2 gr., subcutaneously up to 15 gr., intrathecally up to $2\frac{1}{2}$ gr.

QUINIDINÆ SULPHAS ($C_{20}H_{24}O_2N_2$) $H_2SO_4.2H_2O$.—The action of this alkaloid has received considerable attention in recent years; at one time it seemed that its depressant effect on cardiac muscle would militate against its use, and treatment was limited to definite periods. It has now steadied down to a normal use in malarial conditions. The literature on it forms rather a long list, with a variety of claims which certainly justify making it an official medicament.

QUININE SALTS.—The new quinine salts are Quinine Bisulphate, Quinine Dihydrochloride, Quinine and Ethyl Carbonate, and Quinine Tannate.

SACCHARINUM SOLUBILE, the sodium derivative of orthobenzoic sulphimide, contains not less than 98 per cent. of $C_7H_5O_3NSNa.2H_2O$. Glusidum disappears, and soluble saccharin will probably come to be known as saccharin.

SERUM ANTIDYSENTERICUM (Shiga) is prepared from serum containing specific immune principles. This is now placed in the list of antitoxic serums, distinguishing it from the antibacterial. The treatment of patients infected with Shiga's bacillus is now made clear, as the serum not only possesses agglutinating properties, but also a substance which enables the body to overcome and resist the disease. The dose is from 4,000 to 10,000 units.

SODII CITRAS, $C_6H_5O_7Na_3.2H_2O$, becomes official largely from its medicinal use in citration of milk and for injection purposes, and merely standardises the variety introduced through the B.P.C. Dose 15-60 gr.

SODII HYDROXIDUM, NaOH, introduces the purest form of the old caustic soda. It contains not less than 95 per cent. of total alkali.

STROPHANTHINUM.—A mixture of glucosides prepared from strophanthus. It is balanced with powdered lactose to possess an activity of 40 per cent. of that of anhydrous ouabain. The assay is biological, and the dose intravenously is $\frac{1}{3}$ - $\frac{1}{6}$ gr. The standard preparation for Great Britain and Northern Ireland is kept in the National Institute for Medical Research at Hampstead. The relationship with the standard sample of anhydrous ouabain must be 40 per cent., as specified in the monograph. The substance comes under the Therapeutic Substances Act. The synonym "ouabain" in other works of reference is given as "crystallised strophanthin."

THEOPHYLLINÆ ET SODII ACETAS contains not less than 55 per cent. of anhydrous theophylline, $C_7H_8O_2N_4$. The dose is 2-5 gr. It was introduced under the trade name of theosin sodium acetate. Theophylline is an isomer of theobromine. It is commonly regarded as a reliable diuretic.

THYROXINSODIUM, $C_{15}H_{10}O_4NI_4Na$.—Obtained by the action of a limited amount of sodium carbonate on thyroxine, which is derived by controlled hydrolysis from thyroid gland with barium hydroxide and subsequent purification, or by synthesis. It contains not less than 61 per cent. and not more than 65 per cent. of iodine. The dose is $\frac{5}{16}$ gr. - $\frac{1}{4}$ gr. When thyroxine is ordered thyroxinsodium may be dispensed. The Harrison memorial prize was awarded to C. R. Harrington for his work on this salt. It is usually given in prepared tablets, 0.2-2 mgm., in cases of myxœdema, and may be continued for some time without producing hyperthyroidism.

TOXINA.—DIPHThERICUM DIAGNOSTICUM is the Schick test toxin. Toxins are the nitrogenous poisonous substances obtained by growing bacteria. Those selected are probably made official owing to their reagent value in diagnosis and the necessity for the recognition of standards in the B.P. The Schick test toxin is designed to determine whether a person is susceptible to diphtheria or immune. It is in reality a determined amount of diphtheria toxin, and is injected intradermally into the forearm. Schick control is a heated preparation of diphtheria toxin. The prophylactic is derived from a filtrate of a culture on nutrient broth. All these are under the Therapeutic Substances Act.

TUBERCULINUM PRISTINUM, Old Tuberculin, is the concentrated fluid medium on which *B. tuberculosis* has been grown. Dilutions are unstable. It is used in diagnosis. The suffix "T" indicates the human type, and "P.T." the bovine.

UREA, $CO(NH_2)_2$.—This is another official admission for diagnostic value in what is called the urea concentration test. Dose 15-240 gr. Usually it is given: Ureæ 15 gm., tr. aurant. 1 c.c., aq. ad 100 c.c. The principle is to force the kidneys to concentrate urea by flooding the blood with urea and previously withholding fluids, then making suitable determinations.

VACCINIUM TYPHO-PARATYPHOSUM, syn. T.A.B.—The monograph sets out the method of culture. It is a mixed vaccine anti-typhoid and para-typhoid, and serves as a protective for both phases of the disease. It is estimated that immunity lasts for nearly two years. This vaccine is in common use for those who go out to tropical countries.

VACCINIUM VACCINÆ is obtained from the vesicles produced by inoculation of vaccinia virus, which after all these years is at last officially recognised and standardised. It is controlled under the Therapeutic Substances Act, and is known usually as vaccine lymph.

ZINCI STEARAS, prepared by interaction of a soluble zinc salt and a sodium salt of stearic acid of commerce, makes official the most suitable zinc salt of this nature for dermatological use.

24. A three-toed sloth
25. Greek goddess of the dawn
26. A great distinction (initials)
27. De Haviland (abbr.)
28. Initials of a chemists' organisation
29. Initials of a famous Scottish regiment
30. Precedes "Maria"
31. A great artery
33. A bone (Latin)
34. Definite article (French)
35. C.U. (actual)
36. Regular temperature and pressure (abbr.)
39. A unit of electricity
40. A much-used drug
42. A pronoun
44. A well-known Dean
47. A unit of heat
51. A type of abscess
53. A main constituent of granite
56. Initials of a well-known body
57. He knew geometry
58. A cultivated grass

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| 47 | 48 | 49 | 50 | | | 51 | | 52 | | | |
| 53 | | | | | 54 | 55 | | | | | 56 |
| 57 | | | | | | | | | | | 58 |

Down

1. Botanical name of honeysuckle
2. An inverted ovule (adj.)
3. An animal that can fly
4. Follows "ovis" in the B.P.
5. Curtailment of a sign of the zodiac
6. The highest point (one letter short)
7. Tangible
8. A kind of electric current (initials)
9. We hear of these in chemistry lectures
10. An insecticide
12. Indian title
16. Found in the andrœcium
19. Honey
20. Letters of a diphthong
22. A greasy liquid
23. Having three members
26. A structure in the gynœcium
27. State in which anther and stigma do not mature at the same time
29. A well-known financier
32. Prefix indicating three
37. Made by bakers
38. Behold
41. An element
43. To burn
45. Contraction of "never"
46. A Continental river
47. Burma oil products (initials)
48. To essay
49. H.T.T. (actual)
50. U.H.H. (actual)
51. Half a plough
52. Initials borne by certain artists
54. O.A. (actual)
55. Tonic and dominant notes in a familiar key (mus.)

"C.&D." Crossword Puzzle

OUR next Crossword Puzzle is given below. Solutions must reach the offices of THE CHEMIST AND DRUGGIST, 28, Essex Street, London, W.C.2, not later than the first post on Monday, August 15. Prizes will be awarded at the discretion of the Editor, whose decision will be final.

Across

- I. A natural order
8. A magnetic term
11. A natural order
13. The lady assistant once was this
14. An element (Latin)
15. An illuminant
17. National railway (abbr.)
18. Neuter pronoun
19. An enzyme
21. A tar derivative

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts

Local Reports

ENGLAND AND WALES

Cambridge.—At a meeting of the Cambridgeshire Insurance Committee, recently, a report of the Pharmaceutical Service Subcommittee was adopted recommending that an insurance chemist be "severely cautioned." The Subcommittee reported that a test prescription dispensed by the chemist showed a 12.3 per cent. deficiency in citrate of iron and quinine. The chemist exercised his right to have the container, which had been retained in the Committee's office, submitted to his own analyst for an independent report, and this report showed a 9 per cent. deficiency. The chemist explained that the test prescription was dispensed by a qualified assistant and made up in a measure. The chemist could offer no explanation of the deficiency.

East Ham.—At a recent meeting of East Ham Insurance Committee, the Pharmaceutical Service Subcommittee reported on a test prescription taken from a branch shop, and stated that the manager had explained that he must have misread the prescription and reversed the ingredients. It was pointed out to him that even if this had occurred there would still have been a considerable discrepancy, and the manager then said he could offer no explanation. The Subcommittee recommended that £1 be deducted. A suggestion that the sum should be increased to £5 was made, but was opposed. After some discussion the Subcommittee's recommendation was adopted. A second case concerning a test prescription taken from a branch shop was then investigated. In explanation the manager had said that several times on the morning in question he had dispensed mist. ammon. chlor. co., and that by mistake he had made up that mixture for the test prescription. The manager pointed out that certain titles in the National Formulary were not sufficiently distinctive. After a short discussion the Committee decided to take no further action in this case.

Essex.—At a recent meeting of Essex Insurance Committee it was reported that the Minister of Health had intimated that the amount available for 1931 exceeded the total amount of the chemists' accounts for the year to the extent that, after meeting ingredient costs in full, a further payment in respect of dispensing fees for the year might be made on the following basis:—(1) During the first three-quarters of 1931 18.67 per cent., and (2) during the last quarter of 1931 16.8 per cent. of the certified dispensing fees. The Subcommittee recommended that the Minister of Health be urged to give consideration to the adoption of a procedure which would provide for any surplus remaining in the appropriate fund after payment of the chemists' accounts to be utilised for extending and improving the present services.

London.—At a recent meeting of London Pharmaceutical Committee it was stated that complaints had been received to the effect that certain doctors had given verbal instructions to their patients contrary to the printed directions given in the National Formulary, so that the patient was told one thing by the doctor and another by the chemist. Representations were made to the Panel Committee on the matter, and it was stated that the appropriate subcommittee of the Panel Committee expressed the opinion that the directions in the National Formulary were not desirable on the ground that they do not conduce to careful prescribing, and recommended as follows:—"That the Insurance Acts Committee be informed that the Committee is of opinion that the instructions to pharmacists for the administration of mixtures should be deleted from the next issue of the National Formulary." At the meeting of

the full Panel Committee the Subcommittee's recommendation was defeated. In view of this decision the Pharmaceutical Committee decided to send a full report to the Retail Pharmacists' Union Executive, pointing out that scripts were frequently presented for calomel tablets, aspirin tablets, tincture of iodine, and other preparations without directions, and urging that in such instances specific directions should be given in every case.—A meeting of the London Pharmaceutical Committee was held on July 19, when the following officers were appointed for the year ending June 30, 1932:—*Chairman*, Mr. J. Angus; *Vice-Chairman*, Mr. A. J. Wing; *Secretary*, Mr. G. A. Tocher. The retiring chairman, Mr. G. B. Barnard, was accorded a hearty vote of thanks for his services. Comparative figures for the months of April 1931 and April 1932 showed an increase in total number of prescriptions from 667,185 to 684,662, and in the average cost per prescription from 7.63d. to 7.71d. A discussion took place on the 1932 B.P. Having regard to the continued use of the National Formulary, the Committee considered that steps should be taken to secure for panel chemists a transitional period of grace of at least three months.

Middlesex.—At a meeting of the Middlesex Pharmaceutical Committee held on July 20, Mr. Weiss was re-elected *Chairman* for the ensuing year, Mr. Goode *Vice-Chairman*, and Messrs. Downing and Anderson *Auditors*. Mr. Hugo Wolff was reappointed *Secretary*, and Mr. John Humphrey *Checking Supervisor*. A letter was received from the Retail Pharmacists' Union, intimating that it would not be possible to call the conference on new contracts until September. It was also notified that it was proposed to include sphagnum moss in the Schedule of Appliances, that it had been definitely decided that Thermogene wool was outside medical benefit, that brandy had been stated to be rightly supplied as an ingredient in a draught, and that it had been decided on appeal that an Insurance Committee was entitled to take into consideration previous cases at other shops owned by a panel chemist (including a company) when deciding a case heard under the testing of dispensing scheme. The supervisor's report included the following statistics:—April 1932: Prescriptions, 189,673 (182,565 in April 1931); average ingredient cost, 3.7d. (3.5d. in April 1931); average dispensing fee, 4.4d. (4.4d. in April 1931). May 1932: Prescriptions, 171,271 (170,348 in May 1931). The draft annual report for the year 1931-32 showed that the number of prescriptions dispensed in 1931 was 2,255,588, an increase of 182,138 over the number for 1930. The total cost was £74,630 7s. 11d., and the average cost per prescription was 7.9d., including an average dispensing fee of 4.4d., the same as for 1930. The number of insured persons had increased by 27,477 to 578,011, and the average cost per insured person was 31.0d. Systematic investigation of prescribing showed a marked absence of anything like extravagance.

Sheffield.—A recent meeting of the Joint Services Subcommittee of the Insurance Committee have had under consideration letters from the Ministry of Health regarding the withholding of the sum of £10 10s. and £1 1s. from the accounts of chemists. In the first case the test prescription showed an excess of 34.7 per cent. of one ingredient and the almost complete absence of the second, as well as the inclusion of foreign matter. The explanation given was that a bottle which had previously contained boric acid had been filled with talc powder and placed upon the shelf without being relabelled. The Subcommittee agreed to their previous recommendation. The second case showed an excess of 11.4 per cent. in the first ingredient and the second ingredient showed an excess of 8.7 per cent. As this was an eye lotion the Subcommittee recommended that their previous recommendation be adhered to.

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, August 4

ALTHOUGH rather quiet the markets have been dealing with a very fair volume of business since the holiday, and it is generally anticipated that by the end of this month, when business usually broadens out, conditions in many products, particularly crude drugs, will show substantial improvement. For the time of year the tone is healthy and much better than it was only two or three months ago. A feature of many products in essential oils and crude drugs is the fact that the shipment markets are comparatively dearer than spot, and it seems fairly certain that replacements costs will have to be on a somewhat higher level. The anticipated advances in these spot markets is delayed in some instances by the amount of stocks to be liquidated, but in other directions a spot shortage has led to sharp advances. The pharmaceutical chemical market has been dull over the holidays, and since the reopening there has been only routine business moving. The tone throughout is steady with no material alterations in prices to record, except that the home makers of citric and tartaric acids have further reduced their prices. In crude drugs business has been fair on limited lines, and the general tone is steady. Agar-agar is steady and business continues. Buchu is firm. Cod-liver oil tends to advance for shipment. Ipecacuanha is a poor market. Japanese camphor and menthol are subdued. Mercury has broken down badly. Pimento is dearer. Shellac has taken a turn for the better. Business in essential oils has been moving on a fair scale, and the general tone is healthy with a number of articles gradually appreciating in value. Bois de rose is quiet but firm on spot for Brazilian and Cayenne. Java and Ceylon citronella are somewhat dearer again and steady. Sicilian lemon and orange are steadier, and tend to advance. Lemongrass is definitely dearer for shipment. The demand for West Indian lime has been good. Sassafras is rather dearer on spot. Japanese peppermint has been dull, with shipment a point easier. Spanish spike is very steady. The fixed oils markets have been dull since the reopening, but quoted prices are about maintained. American turpentine is slightly easier. Industrial chemicals are steady, and home makers are doing most of the business, with their prices steady.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

| Centre | Quoted | Par | August 4 | Value of the £ |
|---------------|------------|---------|----------|----------------|
| Amsterdam .. | Fl. to £ | 12.107 | 8.73½ | 14/5 |
| Berlin .. | Mks. to £ | 20.43 | 14.77½ | 14/5½ |
| Brussels .. | Belga to £ | 35 | 25.32½ | 14/5½ |
| Copenhagen .. | Kr. to £ | 18.159 | 18.59½ | 20/5½ |
| Lisbon .. | Esc. to £ | 110 | 110 | 20/0 |
| Madrid .. | Ptas. to £ | 25.22½ | 43½ | 34/2½ |
| Milan .. | Lire to £ | 92.46 | 69½ | 14/9½ |
| Montreal .. | Dol. to £ | 4.86½ | 4.04½ | 16/7½ |
| New York .. | Dol. to £ | 4.86½ | 3.51½ | 14/5½ |
| Oslo .. | Kr. to £ | 18.159 | 20 | 22/0½ |
| Paris .. | Fr. to £ | 124.21 | 89½ | 14/5½ |
| Prague .. | Kr. to £ | 164.25 | 119½ | 15/4 |
| Stockholm .. | Kr. to £ | 18.159 | 19.49½ | 21/5½ |
| Warsaw .. | Zloty to £ | 43.38 | 31½ | 14/7½ |
| Zurich .. | Fr. to £ | 25.2215 | 18.04½ | 14/3½ |

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

GENERALLY quiet markets are reported, with prices mostly keeping steady. Spot offers of phenacetin and phenazone show a wide margin, and are well under replacement costs. Makers' prices for citric and tartaric acids are again reduced.

ACETANILID remains dull, and is quoted unchanged: B.P. crystals and powder, 1s. 5½d. to 1s. 8d. per lb., as to quantity.

AMIDOL meets with some occasional small business: 56 lb., 7s. 3d.; 28 lb., 7s. 6d.; 14 lb., 7s. 11d. per lb., in 7-lb. tins.

AMIDOPYRIN.—Dealers' prices are steady but business has been very slow: crystals, two cwt., 17s.; less than two cwt., 17s. 6d., per lb., with powder 2d. per lb. extra.

AMMONIUM BENZOATE is quoted at former rates on spot with business poor: spot, 3s. 4d. to 3s. 6d. per lb.

ASPIRIN.—Business continues on a very fair scale, with home makers' and dealers' prices level; home trade: ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 28 lb., 2s. 9d.; 14 lb., 2s. 10d.; 7 lb., 3s.; 1 lb., 3s. 4d., per lb. Export to Colonies and British Possessions: ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d., per lb., f.o.b.; less than one cwt., 2s. 9d. per lb., ex works.

BARBITONE.—Isolated cheap offers are still being made; business quiet: spot, one cwt., 10s. 9d.; 56 lb., 11s.; smaller parcels, up to 11s. 3d. per lb.

BENZOIC ACID (B.P.) is quite steady, and business is moving on a limited scale: quantities, ex works, 1s. 10½d.; spot parcels, 1s. 11d. to 2s. per lb., ex store.

BISMUTH SALTS.—Makers' prices are as follows:—

| | 8 lbs. and under 28 lbs. | | 28 lbs. and under 1 cwt. | | Not less than 1 cwt. | |
|-------------------|--------------------------|----|--------------------------|----|----------------------|----|
| | Per lb. | | Per lb. | | Per lb. | |
| | s. | d. | s. | d. | s. | d. |
| Carbonate .. | 7 | 0 | 6 | 6 | 6 | 3 |
| Citrate .. | 9 | 3 | 8 | 9 | 8 | 6 |
| Nitrate cryst. .. | 4 | 11 | 4 | 5 | 4 | 2 |
| Oxide .. | 10 | 4 | 9 | 10 | 9 | 7 |
| Salicylate .. | 7 | 9 | 7 | 3 | 7 | 0 |
| Subchloride .. | 10 | 2 | 9 | 8 | 9 | 5 |
| Subgallate .. | 7 | 5 | 6 | 11 | 6 | 8 |
| Subnitrate .. | 6 | 2 | 5 | 8 | 5 | 5 |

A rebate of 3d. per lb. will be allowed on sales of not less than two cwt. (either for prompt delivery or on contract), provided delivery is completed or paid for within three months. Liquor bismuthi (B.P.) in w-qts., 1s. 1½d. per lb.; in six w-qts., 11d. per lb.; in 12 w-qts., 9½d. per lb.; in 36 w-qts., 9d. per lb. Without engagement.

BROMIDES.—The market is steady and a moderate volume of business is being done. Makers' and dealers' prices are level: ammonium, not less than five cwt., 1s. 9d.; one cwt., 1s. 10½d.; smaller quantities, 2s. 1d. per lb.; potassium, B.P. crystals and granular, not less than five cwt., 1s. 6d.; one cwt., 1s. 7d.; smaller quantities, 1s. 10d. per lb.; sodium, B.P., not less than five cwt., 1s. 8d.; one cwt., 1s. 9d.; smaller quantities, 2s. per lb., net, without engagement. Special prices for larger quantities.

CAFFEINE is freely offered at very competitive prices; business is small: pure alkaloid, 5s. 6d. to 6s. per lb.; citrate, 4s. 3d. to 4s. 9d. per lb., as to quantity.

CALCIUM LACTATE, if not in much demand at the moment, is fairly steady: spot, one cwt., 1s. 2d.; 56 lb., 1s. 2½d.; 28 lb., 1s. 3d.; 7 lb., 1s. 6d. per lb.

CHLORAL HYDRATE is very steady at home makers' prices: duty-paid crystals, in 14-lb. free containers, five cwt., 3s. 4d.; one cwt., 3s. 5d.; 56 lb., 3s. 6d.; 28 lb., 3s. 7d.; 14 lb., 3s. 8d. per lb.; 28-lb. jars, one penny per lb. extra.

CITRATES.—Home makers' prices are unchanged: potassium citrate, B.P., 1s. 7d.; sodium citrate, B.P.C., 1923, 1s. 8d.; ferri ammon. cit. B.P. (brown), 1s. 9d. per lb., in 28-lb. lots; 7-lb. lots, 5d. per lb. dearer.

CITRIC ACID (B.P. CRYSTALS) is meeting with a moderate demand. Home makers have again reduced their quoted price, which is now at 1s. per lb., less 5 per cent. discount, nominal and without engagement. Dealers are offering at competitive prices.

CREAM OF TARTAR.—Home makers' quoted price for 99 to 100 per cent. is unchanged at 90s. per cwt., less 2½ per cent. discount, nominal and without engagement.

CREOSOTE CARBONATE does not attract much business: spot quoted by dealers from 8s. 6d. to 10s. per lb., as to quantity.

GUAIACOL CARBONATE.—Dealers' spot prices are keen for the limited business moving: spot, one cwt., 7s. 9d.; 56 lb., 7s. 10d.; 23 lb., 7s. 11d.; smaller parcels, up to 8s. 3d.

HEXAMINE.—Gold standard prices for material to come forward are unchanged: five cwt., 1s. 8d.; two cwt., 1s. 8½d.; smaller parcels, up to 2s. per lb. Spot offers are at about 2s. 3½d. for two cwt.; 2s. 4d. for one cwt.; and up to 2s. 8d. per lb. for smaller parcels.

HYDROQUINONE.—Dealers' prices are unchanged; business fair in limited quantities: ten cwt., 4s. 8½d.; five cwt., 4s. 9½d.; two cwt., 4s. 10½d.; one cwt., 4s. 10¾d.; 56 lb., 4s. 11¾d.; 23 lb., 5s. 1¾d.; 14 lb., 5s. 3¾d.; 7 lb., 5s. 5½d. per lb., carriage paid.

IODIDES.—Makers' prices are as follows: Potassium iodide, B.P.: For not less than one cwt., 17s. 10d.; 23 lb., 18s. 1d.; 14 lb., 18s. 4d.; 7 lb., 20s. 9d.; 4 lb., 21s. 2d.; smaller quantities, 21s. 7d. per lb. Sodium iodide, B.P.: For not less than 23 lb., 19s. 4d.; 14 lb., 19s. 10d.; 7 lb., 22s. 10d.; 4 lb., 23s. 3d.; smaller quantities, 23s. 9d. per lb. Iodine resub., B.P.: For not less than one cwt., 20s. 8d.; 23 lb., 20s. 11d.; 14 lb., 21s. 5d.; 7 lb., 23s.; 4 lb., 24s. 2d.; smaller quantities, 26s. per lb. Iodoform, B.P. cryst., precip. or powder: For not less than 23 lb., 23s. 9d.; 14 lb., 24s. 3d.; 7 lb., 25s. 1d.; 4 lb., 28s. 8d.; smaller quantities, 29s. 3d. per lb. In quantities not less than one cwt. (which may be taken assorted), containers of 23 lb. and outer packages free, carriage paid. Prices are quoted without engagement. Contracts for one cwt., five cwt., ten cwt., or larger quantities, for delivery as required during a period of four months, with rebates applicable to the quantity booked.

LACTIC ACID (B.P.).—Business has been unimportant; market steady: quantities, in carboys, 1s. 5½d. to 1s. 6d. per lb.; small lots, in demijohns and winchesters, 1s. 7d. to 1s. 8½d. per lb., carriage paid.

METHYL SALICYLATE (B.P.).—Makers' and dealers' prices are steady, and business is satisfactory: one ton and over, 1s. 4½d.; ten cwt., 1s. 5d.; five cwt., 1s. 5½d.; one cwt., 1s. 6d.; less than one cwt., 1s. 6½d.; smaller quantities, in bottles, up to 2s. per lb.

METHYL SULPHONAL is dull, but dealers' prices for spot are steady: two cwt., 18s. 9d.; one cwt., 19s. 3d.; 56 lb., 19s. 9d.; small parcels, 20s. 6d. per lb.

METOL has been rather quiet; market steady: 56 lb., 9s. 3d.; 23 lb., 9s. 6d.; 14 lb., 9s. 9d.; 7 lb., 10s. 9d. per lb., in tins; bottles extra. Wholesale distributors' prices for small quantities at higher rates.

MILK SUGAR of Continental origin continues to be quoted at keen prices: one ton, 50s. 6d.; ten cwt., 51s. 6d.; two cwt., 52s. 6d. per cwt., in two-cwt. cases.

MORPHINE.—Makers' prices are as follows:—

| | Under 5 oz. | 5 oz. and over assorted | For 100 oz. assorted contracts over 6 months | For 250 oz. assorted contracts over 6 months |
|----------------------------|-------------|-------------------------|--|--|
| Morphine: | | | | |
| alkaloid precip. | oz. | oz. | oz. | oz. |
| meconate | 23/2 | 22/1 | 21/7 | 21/1 |
| tartrate (neutral) | | | | |
| acetate | 18/8 | 17/10 | 17/4 | 16/10 |
| hydrochloride powder | | | | |
| sulphate | | | | |

Fall clause for contracts of 100 oz. and over.

PARAFORMALDEHYDE is moving now and again at competitive prices: 100 per cent. powder, quantities in kegs, 1s. 1¾d. to 1s. 2d.; smaller parcels up to 1s. 7d. per lb.

PHENACETIN.—Isolated cheap offers are being made; business is quiet: spot, crystals, ten cwt., 5s. 3d.; five cwt., 5s. 4d.; two cwt., 5s. 6d., and less, 6s. per lb., with powder 2d. per lb. extra.

PHENAZONE has remained rather quiet and competition for business is keen: spot, crystals, ten cwt., 9s. 3d.; five cwt., 9s. 6d.; two cwt., 9s. 9d.; and less, 10s. 3d. per lb., with powder 2d. per lb. extra.

PHENOLPHTHALEIN is a quiet market, with very keen competition for business: cwt. lots, about 3s. 9d. up to 4s. 3d. per lb. for small parcels.

POTASSIUM PERMANGANATE (B.P.) continues to find a fair demand, and the market is steady: quantities in drums, 8½d. to 9d.; druggists' parcels, 9½d. to 10d. per lb.

POTASSIUM SULPHOGUAIACOLATE is neglected: dealers quoting spot from 4s. 8d. to 5s. per lb., as to quantity.

PYROGALLIC ACID.—Makers' prices are steady, business limited: one cwt., 6s. 9d.; 56 lb., 7s.; 23 lb., 7s. 3d.; 14 lb., 7s. 9d.; 7 lb., 8s. 6d. per lb., in 7-lb. tins.

QUININE SULPHATE.—The Convention price stands at 2s. 4d. per oz., carriage paid, on bulk quantities.

RESORCIN has been on the quiet side, but the market is steady: crystals, one cwt., 4s. 6d.; 56 lb., 4s. 7d.; 23 lb., 4s. 8d.; 14 lb., 4s. 10d.; 7 lb., 5s.; less than 7 lb., 5s. 6d. per lb., with powder 3d. per lb. extra.

SALICYLIC ACID (B.P.).—Makers' prices are very steady and business is about normal: one ton, 1s. 5d.; ten cwt., 1s. 5½d.; five cwt., 1s. 6d.; one cwt., 1s. 6½d.; small parcels, up to 2s. per lb.

SALOL continues at controlled prices with the market dull: crystals, two cwt., 5s. 2½d.; one cwt., 5s. 4¾d.; 56 lb., 5s. 6d.; smaller parcels, 5s. 7½d. per lb.; powder, 2d. per lb. extra.

SODIUM BENZOATE (B.P.) is unchanged, with business moving on a small scale: bulk quantities, 1s. 7½d.; cwt. lots, 1s. 8d.; small parcels, up to 2s. per lb.

SODIUM DIETHYLBARBITURATE has been slack, with cheap spot sellers: one cwt., 12s. 8d.; 56 lb., 12s. 10d.; 23 lb., 13s.; 14 lb., 13s. 2d.; smaller parcels, up to 13s. 9d. per lb.

SODIUM SALICYLATE (B.P.).—Business is fairly good, with makers' and dealers' prices steady: home trade, powder, two tons, 1s. 10d.; one ton, 1s. 10½d.; ten cwt., 1s. 11d.; five cwt., 1s. 11½d.; one cwt., 2s.; 23 lb., 2s. 1d.; 14 lb., 2s. 3d., per lb., with crystals 1d. per lb. extra.

SULPHONAL.—Dealers' prices are steady but business is poor: crystals, two cwt., 15s.; one cwt., 15s. 6d.; 56 lb., 15s. 9d.; small parcels, up to 16s. 6d. per lb.; powder, 2d. per lb. extra.

TARTARIC ACID (B.P. CRYSTALS).—Home makers notify a further reduction with their quoted price now down to 11¾d., less 5 per cent. discount, nominal and without engagement.

THEOBROMINE continues very competitive with not much business moving: pure alkaloid, 5s. to 5s. 6d.; sodium salicylate, 4s. 9d. to 5s. 3d., per lb., as to quantity.

THYMOL remains dull, and is easy as quoted: synthetic, fine white, one cwt., 5s. 10½d.; 56 lb., 6s.; 23 lb., 6s. 1½d.; 14 lb., 6s. 3d., per lb.; ex ajowan seed, one cwt., 7s. 6d.; 56 lb., 7s. 7½d.; 23 lb., 7s. 9d.; 14 lb., 8s. per lb.

VANILLIN meets with occasional business, with controlled prices slightly discounted in some quarters: ex guaiacol, one ton, 14s. 3d.; ten cwt., 14s. 6d.; five cwt., 14s. 9d.; three cwt., 15s.; one cwt., 15s. 3d.; 56 lb., 15s. 6d.; 23 lb., 15s. 9d.; 14 lb., 16s.; less, 16s. 3d. per lb.; ex clove oil, 16s. to 18s. per lb., as to quantity, from one ton to less than 14 lb.

Crude Drugs, etc.

ACONITE ROOT.—The market is quoted slightly cheaper. Japanese, 57s. 6d.; Napellus, 67s. 6d. per cwt.

AGAR-AGAR.—The recent improvement is well maintained, and a steady business is being done: spot, Kobe No. 1, 3s.; No. 2, 2s. 10d.; Yokohama No. 1, firm at 3s. per lb. Shipment, Kobe No. 1, 2s. 2½d.; No. 2, 1s. 10d.; Yokohama No. 1, 1s. 11d. per lb. c.i.f.

ANTIMONY is a little steadier this week. Chinese crude, spot, £16; shipment, £13 10s. c.i.f. Chinese oxide, spot, £25; shipment, £18 c.i.f.

BALSAMS.—This article has remained quiet. *Tolu*, spot, about 3s.; Canada, 3s. 9d. to 4s. per lb.

BELLADONNA.—The market has been rather slow: good test root, about 55s. per cwt.; leaves, about 70s. per cwt.

BUCHU.—Business in a few bale lots continues, and prices are keeping very steady, with the scarcity of good green rounds for which up to 1s. 3d. per lb. is quoted; off colour, about 11d. to 1s. Ovals are quoted at 8½d. to 9½d. per lb.

BURDOCK ROOT.—Dealers are offering spot supplies at about 37s. 6d. per cwt.

CAMPHOR.—Business in Japanese has been slow: spot, slabs, 2s. 4½d.; tablets, 3s. per lb. Shipment, slabs, 1s. 10½d.; flowers, 1s. 11d.; tablets, 2s. 4d. per lb. c.i.f. English refined is quoted unchanged: flowers, one cwt., 3s. 1d.; 23 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ½ oz. and ¼ oz., 3s. 6d. per lb.

CASCARA SAGRADA meets with some fair inquiry for shipment: spot, 1931, peel, about 52s. 6d. per cwt. Shipment, August-September, 35s. 6d. per cwt. c.i.f. for good bulk quantities.

CELERY SEEDS.—Quoted prices for spot supplies show a further advance at about 130s. per cwt.

CHAMOMILES.—New crop flowers are now being gathered, and prices are expected in a few days. Old crop has been moving slowly at former rates.

CLOVES.—The market is steadier and quoted values are slightly higher. Zanzibar, spot, 7½d.; shipment, August-October, 7d. c.i.f. Madagascar, spot, 7¼d. per lb.

The landings of Zanzibar in London during the week ended July 30 were one, and the deliveries 15, leaving a stock of 1,771, against 384 in 1931. From January 1 to date landings of Zanzibar have been 4,351, against 1,070 in 1931, and the deliveries 4,567, against 1,705 in 1931. Landings of Madagascar for the week ended July 30 were 32, and the deliveries 10, leaving a stock of 1,576, against 1,275 in 1931. Landings of Madagascar this year to date have been 814, against 2,138 in 1931, and the deliveries 245, against 1,769 in 1931.

COCOA BUTTER.—Prime English is slightly cheaper at 8½d. to 10½d. per lb., as to quantity.

COCONUT (DESICCATED) is again a point dearer, with the market steady: spot, fine, 24s.; medium, 23s.; shipment, halves, August-September, 21s. per cwt. c.i.f.

COD-LIVER OIL.—The market is fully steady as quoted, and there is a tendency towards higher prices. Finest steam-refined non-freezing medicinal oil, 82s. 6d. per barrel, c.i.f. London. Spot, 97s. 6d. per barrel, ex wharf, duty paid. Some brands may be cheaper.

ERGOT.—Business appears to have been poor in this article. Russian is offering on spot at about 1s. 4d. Spanish, about 1s. 10d. per lb.

GELATIN continues to attract a fair amount of business, and the market is steady: spot, gold leaf, 2s. 2d.; silver leaf, 2s.; bronze leaf, 1s. 8½d.; thin leaf, 1s. 7½d. per lb. in cwt. cases.

GINGER.—Market is quiet but steady. West African, spot, 22s. 6d.; for arrivals, 20s. per cwt. c.i.f.

GLYCERIN (B.P.).—Chemically pure, double distilled, 1,260 s.g. is quoted as follows: twelve winchesters, 10d.; six winchesters, 10½d.; three winchesters, 11d.; one winchester, 1s.; 1-lb. bottles, 1s. 2d. per lb. net, carriage paid, bottles extra.

GUM ACACIA.—This market has been neglected so far this week, but on quotation prices are being maintained.

HONEY.—Jamaican on spot has been dull, with former prices maintained. Some new crop Californian white clover has been sold at about 45s. per cwt. The general tone of the market is steady.

HYDRASTIS.—Spot supplies are quoted on a slow market at about 4s. 6d. per lb.

IPECACUANHA.—The demand here remains poor, and the market is easy as quoted. Matto Grosso, 4s. 9d.; Minas, 4s. 3d. per lb., and less for good quantities.

LYCOPodium.—Dealers are quoting spot supplies of treble sifted at about 3s. 3d. per kilo.

MENTHOL has remained dull, with K/S brands on spot about 12s. 6d. per lb. and less for good quantities. Shipment seems to attract little interest; August, 10s.; September, 10s.; October-December, 9s. 9d. per lb. c.i.f.

MERCURY.—The breakdown of the Italian-Spanish group has added to the weakness of this market: spot is now quoted at about £9 5s. to £9 10s. per bottle, ex wharf. Shipment is nominal.

OPIUM.—The shipment market continues firm at the recent increase, being equivalent to 1s. 4d. per unit, landed and duty paid.

PEPPER has been dull and values are barely maintained on the week; business has been slow. Lampong, spot, 6½d.; shipment, July-August, 5½d.; August-October, 4½d. c.i.f. Tellicherry, spot, 7d.; shipment, August-September, 63s. per cwt. c.i.f. Aleppy, spot, 6½d.; shipment, August-September, 60s. per cwt. c.i.f. White Muntok, spot, 7½d.; shipment, July-August, 6½d.; August-October, 6d. per lb. c.i.f.

PIMENTO.—Although rather quiet, spot shows a further advance to 2½d. per lb.; shipment, August-September, 24s. 6d. per cwt. c.i.f.

QUILLAIJA BARK.—Spot holders are quoting crushed bark in the region of 35s. per cwt.

RED ROSE PETALS.—New crop is now being quoted at about 1s. 5d. per lb.

RUBBER.—For the tenth week in succession U.K. stocks show a decline, being returned at 106,199 tons against 105,723 tons a week ago, and 136,216 tons a years ago. Prices quoted show a further slight recovery. The market became rather easier at the close. Standard ribbed smoked sheet, sellers, spot, 2½d.; August, 2½d.; September, 2½d.; October-December, 2½d.; January-March, 1933, 2½d.; April-June, 2½d. per lb.

SAFFRON is steady on a slow market: Spot, prime B.P., 55s. 3d.; extra B.P., 52s. 3d.; super B.P., 48s. 6d. per lb., and less for bulk quantities.

SARSAPARILLA.—The market is quiet and quoted slightly cheaper, with grey Jamaica about 1s. 10d. to 1s. 11d. per lb. Native, mixed colours, 1s. 1d. to 1s. 2d. per lb.

SEEDS.—ANISE.—Spanish, 52s.; Turkish, 35s.; and Russian, 37s. 6d. per cwt., on spot. CANARY.—Spot, Mazagan, 15s. 3d.; Tangier, 14s. 6d.; Kenitra, 14s. 6d. LINSEED.—Spot, Mazagan, 13s., and Morocco, 12s. 3d. CORIANDER.—Morocco, 1929 crop, now 15s. 9d., on spot. Wormy, 13s. New crop for shipment, 15s. c.i.f. CUMIN.—Morocco, spot, 35s., and for shipment, 30s. c.i.f. FENUGREEK.—Morocco, sold at 13s. 6d. spot; 10s. 6d. c.i.f. quoted for shipment. CARAWAY.—Dutch, spot, 31s. 6d. per cwt., duty paid. MUSTARD.—English, 21s. to 30s. per cwt., according to quality.

SENEGA.—Shipment is considerably dearer, with the figure for new crop now firm at 1s. 6½d. to 1s. 7d. per lb. c.i.f. Spot is now mentioned at about 1s. 7½d. per lb.

SENNA.—Very little inquiry for finest hand-picked Alexandrian pods, but a moderate demand for the manufacturing qualities at about 4½d. to 4¾d. per lb. Tinnevely leaves are steady. Pods are in limited supply on spot, and cabled information from origin indicates a shortage there.

SHELLAC.—The market has improved and is steadier: Spot, standard TN orange, 57s. 6d.; fine orange, 67s. 6d. to 132s. 6d.; pure button, 67s. 6d. per cwt. For delivery, TN August, 49s. paid; October, 50s. paid; December, 51s. per cwt. paid. For arrival, TN August, 47s. per cwt. c.i.f.

VALERIAN ROOT.—Dealers' prices for spot stocks are at about 40s. per cwt.

WAX (VARIOUS).—These markets have been generally quiet, but quoted prices are about level on the week. CARNAUBA, fatty grey and chalky grey, is steady at 85s.; medium yellow, steady, 140s.; fine yellow, 150s. CANDELILLA is unchanged at 90s. per cwt. SPERMACETI, steady at 9¼d. per lb., spot. PARAFFIN is about steady from 22s. 6d. to 50s. per cwt. as to melting point. CERESIN is quoted from 35s. to 80s. per cwt., as to colour and melting point. BEES' is about steady, with the market quiet; bleached, discs, £7 10s.; slabs, £7 5s.; yellow refined, £5 12s. 6d.; yellow crude, 97s. 6d. per cwt., spot.

Essential Oils, etc.

BUSINESS has been moving fairly well, and some few lines have been experiencing quite good business. Prices are being very steadily maintained, with a tendency to advance here and there. Citronella, Java and Ceylon, are firm. Sicilian lemon and orange are better markets. Lemon-grass is dearer. Sassafras tends to harden. Japanese peppermint is steady, but dull.

ALMOND is at last week's reduced prices of about 7s. 6d. per lb. for s.a.p.; sweet almond, about 2s. per lb.

ANISE (STAR).—The market has been dull and is quoted unchanged: spot, "Red Ship," in leads, 2s.; in tins, 1s. 10d.; in drums, 1s. 9d.; shipment, in leads, 1s. 7½d.; in tins, 1s. 6½d.; in drums, 1s. 5½d. per lb., c.i.f.

BERGAMOT.—Business has been dull with the Consortium price about 9s. 6d. per lb., and with spot sellers at very keen prices.

BOIS DE ROSE.—The market is dull but spot values are firm. Brazilian, about 4s. 6d. per lb. Shipment is nominal, with no firm offers. Cayenne continues scarce on spot at 9s. 3d. to 9s. 6d. per lb.

CARAWAY.—The market has been quiet. Continental twice rectified, 8s. to 8s. 4d. per lb., and a shade less for large bulk quantities.

CASSIA has met with very little business this week, but spot is steady at 3s. 9d. to 3s. 10d. per lb. Shipment, 3s. 1½d. per lb., c.i.f.

CEDARWOOD is about unchanged and in small demand: spot, bulk quantities, 1s. 10d. per lb., and up to 2s. for small lots.

CINNAMON LEAF.—The market has been quiet: spot, from 3s. 3d. to 3s. 6d. per lb., as to quantity.

CITRONELLA.—The market for Ceylon is again rather dearer, with spot at 1s. 8½d. to 1s. 9½d., and shipment nominal at 1s. 6½d. per lb., c.i.f. Java is very steady, with spot at 2s. 9d., and shipment at 2s. 5½d. per lb., c.i.f. A fair interest is shown in this market.

CLOVE.—English 85 to 90 per cent. is unchanged at 4s. 4d. to 4s. 6d. per lb. as to quantity. Madagascar, spot, about 3s. 9d., and shipment about 2s. 10d. per lb., c.i.f.

EUCALYPTUS.—This market has been flat, and some offers are very keen. Spanish, 70 to 75 per cent., 1s. 2d.; Australian, 70 to 75 per cent., 1s. to 1s. 0½d.; 80 to 85 per cent., 1s. 1d. to 1s. 1½d. per lb., and slightly less for bulk quantities.

GERANIUM.—Business so far this week has been negligible: spot, Bourbon, about 25s. per lb. Algerian, spot, about 24s. 6d. per lb.

GINGERGRASS has been on the quiet side: spot, 7s. 2d. to 7s. 3d. per lb., as to quantity.

JUNIPER BERRY (B.P.) meets with occasional business, with spot quoted at about 4s. 6d. to 4s. 8d. per lb., and less for bulk quantities.

LAVENDER.—There is little to report in this article, with spot nominal, and shipment quotations for good brands of new crop are round about 9s. per lb., c.i.f.

LEMON.—Although there are still some comparatively cheap offers on spot, mostly for old oil, the general tendency is towards a higher level of prices, and reports from origin indicate good prices for genuine Sicilian hand-pressed being obtained, while shipment prices continue at about 4s. 2d. to 5s. per lb. c.i.f. Spot is about 4s. 3d. to 5s. 6d. per lb. Californian, spot, 57 cents per lb., in drums.

LEMONGRASS.—The shipment market is reported to be stronger, and the quotation to be running close to 1s. 9d. per lb. c.i.f. New crop is estimated at the low figure of 75 tons against 225 tons last year. Spot is moving up with holders looking for 1s. 11d. and upwards per lb.

LIME has been in rather more request, and the spot price for genuine West Indian is fully 35s. per lb.

MANDARIN shows no change, with spot quoted at 16s. per lb. for the usual small quantities.

ORANGE.—Business has been moving well, and the market is fully maintained and very steady, with a tendency to move to a higher level. Sicilian sweet, spot, 7s. 3d. to 7s. 6d.; shipment, 6s. 3d. to 6s. 4d. per lb., c.i.f. West Indian, hand-pressed, 5s. 6d. per lb., c.i.f. French Colonial, 5s. 9d. per lb., c.i.f. Californian, spot, 80 to 90 cents per lb. as to quantity.

PALMAROSA, although not meeting with much business, the spot value is well held at 8s. 6d. to 8s. 8d. per lb., as to quantity.

PEPPERMINT.—The spot market for Japanese dementholised is quoted at 3s. 10d. per lb., with business quiet. Shipment is steady but dull; August, 3s. 3d.; September, 3s. 2d.; October-December, 3s. 1d. per lb. c.i.f. American oil is firm as quoted for shipment at 1 dollar 45 cents per lb. c.i.f.

PEITGRAIN is fully steady on a quiet market, and has a tendency to harden: spot, 4s. 3d. to 4s. 4d. per lb.

ROSEMARY.—A moderate business is being done, with Spanish on spot about 1s. 9d. to 1s. 10d. per lb., as to quantity. Shipment, about 1s. 5½d. per lb. c.i.f.

SAGE.—The shipment quotation continues at about 1s. 7½d. per lb. c.i.f.

SASSAFRAS is a shade firmer on a rather quiet market, with spot quoted at about 4s. 9d. per lb. There may be isolated cheaper offers.

STEARMINT has been rather quiet, but the tone is steady and tends to recover: spot, 8s. to 8s. 3d. per lb., as to quantity.

SPIKE.—The spot position continues fully steady, with Spanish about 3s. 2d. to 3s. 4d. per lb., but there is not much business moving. French is quoted at about 4s. 3d.

WORMSEED.—Little interest is shown in spot offers made at about 9s. 6d. to 9s. 9d. per lb., as to quantity.

The following quotations are current for synthetics, etc.: Acetophene, 6s. 3d. to 6s. 6d. per lb.; amyl acetate, pure, 125s. per cwt.; technical, 115s. per cwt.; amyl salicylate, 2s. 2d. per lb., in cwt. lots; abupine, ex para cresol, 9s. to 9s. 6d. per lb.; benzaldehyde, f.f.c., 2s. 1d. to 2s. 4d. per lb.; benzyl acetate, f.f.c., 1s. 5d. to 1s. 8d. per lb.; benzyl alcohol, 1s. 7d. to 1s. 9d. per lb.; bromstyrol, 100 per cent., 12s. to 12s. 6d. per lb.; butyric acid, 3s. 3d. to 3s. 6d. per lb.; citrol, chemically pure, 7s. 6d. to 7s. 9d.; coumarin, 13s. to 14s. per lb.; ethyl phthalate, 2s. 8d. to

2s. 9d. per lb.; eugenol, 7s. 10d. to 8s. 6d. per lb.; geraniol, ex palmarosa, 16s. to 18s. per lb.; heliotropin, 100 per cent. crystals remains at the recent reduction of 4s. 11d. to 5s. 9d. per lb., as to quantity; iso eugenol, 10s. 6d. to 10s. 9d. per lb.; methyl anthranilate, 6s. 6d. to 7s. 6d. per lb.; mirbane, 3½d. to 10d. per lb.; musk ketone, 29s. 10d. per lb., with bonus for quantities; phenyl ethyl alcohol, 8s. to 8s. 6d. per lb.; safrol, 2s. to 2s. 6d. per lb.; terpineol, 1s. 3d. to 1s. 6d. per lb.

Fixed Oils, etc.

THERE has been very little activity in these markets since the holidays, but quoted prices are being steadily maintained. American turpentine is a point lower and is not so steady, and linseed oil is barely steady with little moving. Palm oils are better but rather slow. ACID OILS are steady but business is very slow: coconut and/or palm kernel, 22s.; groundnut, 20s.; soya, 15s., spot. CASTOR is unchanged on the week, with the market dull: pharmaceutical, 41s. 6d.; first pressings, 36s. 6d.; second pressings, 31s. 6d. (barrels); cases £4 per ton extra, ex mills, Hull, in not less than one-ton lots; Bombay, 27s. (barrels), c.i.f., nominal. COCOANUT is slightly better with a fair inquiry: deodorised, 34s. 3d. (barrels), spot; Ceylon, 22s. 6d. (drums), c.i.f. COTTON shows no change on the week, and the market has been dull: deodorised, 23s. 6d.; common edible, 26s. 6d.; soapmaking, 25s. 3d.; crude, 23s. 6d. (barrels), spot. GROUNDNUT is about steady with the market dull: deodorised, 39s. 6d. (barrels), spot; crude Oriental, 32s. (drums), c.i.f. LINSEED (RAW, NAKED).—Quoted prices are about level on the week. The market has so far been dull: on spot, 14s. 6d.; August, 12s. 10½d.; September-December, 13s. 9d.; January-April, 1933, 14s. 3d. Boiled oil, spot, 17s. 3d. OLIVE is quoted unchanged on a flat market: edible, in tins, in cases, 8s.; in drums, 7s. 6d.; B.P., 4s. 9d., per gallon, in 40-gallon barrels. PALM.—Quoted prices for all grades about balance on the week; the market is dull: Lagos, 16s. 6d.; softs, 15s. 6d.; medium, 16s.; hards, 17s.; bleached, 18s. 6d., spot. PALM KERNEL is steady but the market is quiet: deodorised, 32s. 6d.; crude, 24s. 6d., spot. RAPE is unchanged on the week: refined, 32s. 3d.; crude, 30s. 3d., spot. RESIN is unchanged on a slack market: B, 12s.; D, 12s. 3d.; F/G, 12s. 9d.; N, 18s. 9d.; W/G, 21s. 9d.; W/W, 22s. per cwt., ex wharf. SOYA.—The market is easier and dull: deodorised, 27s. 6d.; crude, 23s. 9d., spot. TURPENTINE.—Easier and very quiet so far this week. Total London stocks, 15,613 barrels. On spot, 59s. 9d. WOOD.—Hankow in barrels on spot is quoted slightly easier at 47s. 6d.

Sudan Gum Acacia Exports

BOXALL & Co. report exports for June 1932 totalled 684 tons, compared with 1,391 tons in June 1931. Total exports for the period January-June 1932 were 9,357 tons, compared with 13,142 tons for the same period of 1931. The following were the chief destinations:—

| Destination | 1931 | | | 1932 | | |
|------------------|----------|------|-------|----------|------|-------|
| | Jan.-May | June | Total | Jan.-May | June | Total |
| Great Britain .. | 3,054 | 294 | 3,348 | 2,151 | 210 | 2,361 |
| U.S.A. .. | 2,190 | 262 | 2,452 | 1,111 | 115 | 1,226 |
| France .. | 1,312 | 183 | 1,495 | 1,388 | 180 | 1,568 |
| Germany .. | 1,146 | 143 | 1,289 | 934 | 37 | 971 |
| Italy .. | 648 | 98 | 746 | 635 | 48 | 683 |
| Belgium .. | 832 | 74 | 906 | 472 | 6 | 478 |
| Japan .. | 726 | 30 | 756 | 339 | — | 339 |
| Spain .. | 203 | 16 | 219 | 198 | 24 | 222 |
| Holland .. | 461 | 68 | 529 | 412 | 10 | 422 |
| Sweden .. | 341 | 26 | 367 | 98 | — | 98 |
| Norway .. | 16 | 3 | 19 | 18 | 1 | 19 |
| Australia .. | 194 | 67 | 261 | 273 | 33 | 306 |
| New Zealand .. | 18 | 6 | 24 | 24 | 2 | 26 |
| China .. | 211 | 25 | 236 | 84 | 11 | 95 |
| Canada .. | 45 | 2 | 47 | 53 | — | 53 |
| British India .. | 66 | 10 | 76 | 71 | — | 71 |
| Denmark .. | 37 | 5 | 43 | 60 | 1 | 61 |
| Finland .. | 11 | 5 | 16 | 17 | — | 17 |
| Poland .. | 41 | 25 | 66 | 16 | — | 16 |
| Greece .. | 12 | 2 | 14 | 22 | — | 22 |
| Egypt .. | 56 | 21 | 77 | 87 | — | 87 |
| Argentina .. | 37 | 9 | 46 | 94 | — | 94 |
| Brazil .. | 22 | 1 | 23 | 39 | — | 39 |
| Uruguay .. | 13 | 5 | 18 | 21 | — | 21 |

The export figures are made up of the following qualities:—

| | Hashab | Bleached | Taiha | Total |
|-------------------------|--------|----------|-------|--------|
| June, 1931 .. tons | 1,295 | 38 | 58 | 1,391 |
| June, 1932 .. " | 638 | 15 | 31 | 684 |
| January-June, 1931 tons | 12,393 | 89 | 660 | 13,142 |
| January-June, 1932 .. " | 8,788 | 75 | 494 | 9,357 |

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

Carelessness in Pricing

SIR,—The instances of carelessness in pricing quoted by "Arkey" (*C. & D.*, July 23, p. 97) could be equalled by most chemists who have private dispensing. The one objection to marking the scripts with a coded price is that if the first dispenser prices by a flat rate or by guesswork and marks it accordingly, subsequent ones are inclined slavishly to follow the marked price and to charge the same, sometimes because they do not stop to think for themselves, but often, I expect, because they are afraid of being dearer than the other man. I do not think it would be wise, usually, to suggest that any prescription had not been dispensed as written. The only time on which I was able to use this explanation for a higher charge was when a customer brought in a prescription with the bottle in which it had been dispensed previously. The costing price came to 2s. 6d., and he said that it had been made up at the other pharmacy for 1s. 6d., and expressed his opinion of my figure in rather forcible terms. When he had finished I was able to show him that the prescription ordered 5vij, while the bottle it had been sent out in held only 5vj. But such opportunities are rare.—Yours, etc.,

EXPLANATORY (2/8).

Cheap Photographic Prints

SIR,—I have just been looking at an advertisement saying "What fun it will be next winter to look again at those holiday snaps." One wonders how many "snappers" will be disappointed this winter when they look at their snaps and find a number of them faded. Yet most of the faded prints will be those obtained from the price-cutting dealer who gives his D. and P. to the spare-time amateur who has no facilities to finish it properly. It is to be hoped that those dealers who are price cutting will realise that they are doing a great deal of harm to the trade in general. A faded print means a disappointed "snapper," and he is very chary about risking more exposures if the results are continuously bad (and they usually are) with the price cutter. It is difficult to understand the mentality of the man when it is so obvious that he must have a tremendous increase of business to make the same profit. Cutters menace all fair traders, and it is surely time the manufacturers took a hand in regulating the price of D. and P. in the same way that they do their films and cameras. It surely is not impossible to cut off supplies from such people. The following figures speak for themselves:—

| | |
|-----------------------|-------|
| 12,000 prints at 2d. | =£100 |
| Dealer gets | £33 |
| Finisher gets | £66 |
| 12,000 prints at 1½d. | =£75 |
| Dealer gets | £25 |
| Finisher gets | £50 |

Therefore the 1½d. print man must increase his business by one-third to make the same profit. I doubt if he does, and yet he spoils the trade for others.

Yours faithfully,

MANCUNIAN (3/8).

Bottle-Feeding the Retailer

SIR,—I am old enough to have had experience in those far-away days when the wholesale houses in the drug trade did not pay carriage upon any consignment. Then came the introduction of the £5 net value order, upon which carriage was paid, this arrangement being subject to a few conditions. Now almost all the cost entailed in supplying the retailer is paid by the wholesale house from which the goods are obtained. Consignments are delivered free of cost; containers are free; returned empties (and not infrequently goods) are taken back without charge. For these direct and indirect gratui-

tous services the retail pharmacist must not be blamed altogether; he is quite within his trading privilege if he deals in the cheapest and most available market, and takes advantage of every facility offered by his suppliers. These suppliers tumble over one another to obtain orders, in many instances such small orders that it is doubtful whether the execution and delivery of them can be remunerative. Unfortunately the retailer has to meet a demand for small quantities and for goods of a very erratic sale; and in consequence the contents of his shelves are cut down to his minimum requirements, and the wholesale house in fact becomes stock-keeper. So far as the wholesalers are concerned, does this mean, in the near future, a combination of interests to prevent the overlapping of deliveries? How much farther it may be possible to remodel distributive organisation, and the cost involved, can only be ascertained in future conditions.—Yours, etc.,

ANTIQUOUS (2/8).

SIR,—I hope that your correspondents "Relasel" and "Manufacturer" are not under the impression that all retailers are favourably impressed with the modern practice of having half a dozen or more houses delivering daily. There is another side to it, that of the travellers. From some houses these gentlemen call regularly once a fortnight, and many chemists who have known the representatives on their territory for years do not care to send them away without a line of some sort. This means that instead of one drug house getting a fair order each time, the requirements are split up and several of them get two or three lines each. To the chemist this means multiplication of deliveries and returns, increased book-keeping and expense of cheques and postage. The same applies to sundries houses, and it would be a relief in many ways to return to the old system. "Manufacturer" mentions the probability of the wholesalers pooling their transport and having one motor service for all. In the case of some of the combines where this common delivery service has been adopted, goods which used to be delivered in two days from the individual firms now take a fortnight before they emerge from the network of system and reach the retailer.—Faithfully yours,

GENERAL ORDER (3/8).

In Spare Time

SIR,—The query of "Gorffenbraf" (*C. & D.*, July 23, p. 98) sounds very simple, but is in reality a most difficult one to answer. Does he require a subject merely to increase his general education, or one which can be utilised to fill the odd corners of the till? Judging from his mention of optics, I conclude it is the latter. In years gone by I was much in the same position. After the course of visual optics, my study led me on to more advanced work on the properties of photographic lenses, with the result that I acquired a good deal of knowledge which has been very helpful at the photographic counter. Next I tried languages, and in odd moments digested sufficient of three besides my own to do business with various foreign visitors; and it is surprising how soon this becomes known and they gravitate to the pharmacy where they are understood. In between times I have taught myself typewriting, ticket-printing, and other small accomplishments which should be included in every boy's education.—Yours truly,

STILL LEARNING (2/8).

SIR,—Your correspondent, "Gorffenbraf" (*C. & D.*, July 23, p. 98), seeks information as to how he might employ his spare time. I presume he is single-handed. During my early days in business on my own account there was very little spare time available. In addition to serving customers, dispensing, unpacking goods,

interviewing travellers and book-keeping, there were many tasks which might have been overlooked, to my disadvantage. First of all, there was the regular dusting of the shop. Then I made frequent changes of display. As my reward, customers often remarked that there was always something fresh being shown. I devoted some time each day to a systematic study of such books as would increase my knowledge of the various branches of our craft. I manufactured as many galenicals as possible, and packed such lines as were convenient in a small pharmacy, with the result that customers appreciated the fact that such and such a mixture was my own make. My trade papers were carefully read, thus keeping me in touch with pharmaceutical news and progress. When time permitted, I did not discourage my customers from having a chat, which strengthened the bond between us. A list of names and addresses of customers was gradually built up, receiving revision as required. Hobbies were indulged in after hours. Your correspondent would be well advised, I think, to give maximum attention to the many small details which ultimately mean business expansion.

Yours faithfully,
PROGRESS (25/7).

SIR,—Your correspondent, "Gorffenbraf," who does not know how to use his spare time to the best advantage, cannot do better than take a London University degree through the University Correspondence College. The cost is not high, and the work is very interesting, as the course which most suits the individual student can be selected; thus, if science is preferred, the B.Sc. can be studied for, or if the student prefers a course with less practical work and more reading, he can take his B.A. degree. The uses to which either of these degrees can be put are numerous, and well worth the time expended in taking them; and apart from these considerations, the status which is given makes the studying well worth while to the man who has the necessary time and inclination.

Yours faithfully,
W. J. VALE.

Chelmsford.

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

Woad

Mr. Charles Wass, Holbeach, will be interested to learn what success has attended the efforts of those subscribers whom he furnished with seeds of woad early in the year, and will welcome communications from them.

Competition

"Provincial" (*C. & D.*, June 11, p. 651) says he finds that the number of his customers has not dropped in proportion to his diminished returns. A few years ago his average per customer was 1s., and is now 9d. My records show that 1s. was my average in the best years, but now it has dropped to nearly 7d. I put this down to the reduction in price of many articles, the introduction of 6d. sizes, and cutting, which I am compelled to meet.—*Urbanite* (20/6).

Carelessness in Pricing

"Krites" (*C. & D.*, July 16, p. 73) advises that chemists who habitually offend by underpricing prescriptions should be remonstrated with by their local associations. In view of the indifference with which some chemists regard these bodies (and the majority of men never trouble to attend the meetings), I should be surprised if they took the slightest notice of a protest. In my area various steps have been taken—complaints at local meetings, complaints to the manufacturers in the case of minimum priced lines—but all effort has proved to be quite ineffectual, largely, I think, because compulsion is not practicable.—*Invanum* (26/7).

Legal Queries

C. S. (20/7).—If in fact your extract contains only the quinine and orange juice, or orange wine, and is non-alcoholic, the Board of Customs and Excise would not require an excise wine licence to be taken out for its sale. If, however, the product were sold as a medicated wine, you would run the risk of being proceeded against by the police under the recent Brighton case, unless you were the holder of a justice's wine licence.

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

T. M. A. (7/68).—BORDEAUX MIXTURE.—The following is the method of making Bordeaux Mixture for horticultural spraying. The customary wash is known as "4-4-50," and the official formula and instructions are as follows:—

| | |
|--------------------------------|-----------|
| Copper sulphate (98 per cent.) | 4 lb. |
| Best quicklime (in lump form) | 4 lb. |
| Water | 50 galls. |

The copper sulphate should be dissolved in a small wooden vessel at the rate of 1 gall. of water per 1 lb. of sulphate (iron or tin vessels must not be used). The lime should be slaked to a fine paste with a little water in another vessel, and water added gradually to make a milk, and finally diluted in a large barrel to the requisite amount (46 galls.). The 4 galls. of copper sulphate may now be poured slowly into the diluted milk of lime and the mixture stirred thoroughly during the process. The two components of the mixture may be kept separately for a long time, but, after mixing, the spray fluid should be used as soon as possible—at all events, within 24 hours. When used on a large scale it may be convenient to make up a stock of each ingredient which may be diluted down and mixed as required. For this purpose, 50 lb. of copper sulphate may be dissolved in 50 galls. of water and 50 lb. of lime, slaked and diluted to 50 galls. of milk of lime. Each gallon will then represent 1 lb. of copper sulphate and 1 lb. of lime. When required for use, the contents of the barrels should be thoroughly stirred and the requisite number of gallons taken out and diluted according to the above formula. For a 50-gallon barrel, for instance, 4 galls. of lime-milk should be removed and diluted with 42 galls. of water, and when thoroughly stirred and strained the 4 galls. of copper solution may be added slowly. The addition of refined sugar (2 oz. to 50 galls.) is useful in delaying flocculation.

Retrospect of Fifty Years Ago

Reprinted from

"The Chemist and Druggist," August 15, 1882

Oil Lamps and the Poisons Schedule

The librarian having complained that the use of gas damaged the books in consequence of the absence of ventilation, the PRESIDENT [of the Pharmaceutical Society of Great Britain] moved [at August Council meeting] that in future oil lamps be used in the library, as this would effectually remove the reason for the complaint. This was adopted. . . . A letter was read from the Privy Council stating that they acceded to the proposal of the Pharmaceutical Council to add nux vomica and its preparations to the list of poisons in Part II of Schedule A of the Pharmacy Act. They added that they had carefully considered the other proposals of the Council, and . . . were not of opinion that it would be desirable to add to the restrictions on the sale of acids and other articles mentioned in the resolutions of the Pharmaceutical Council.

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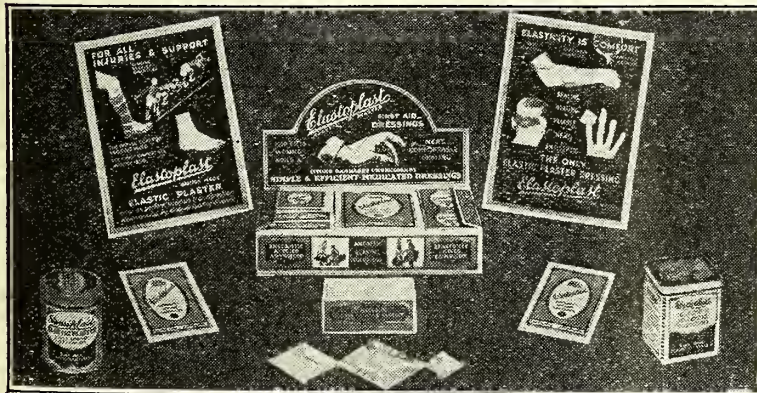
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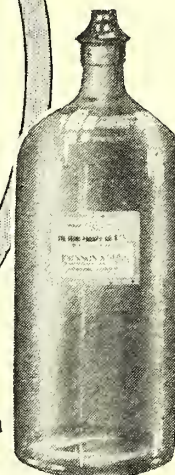
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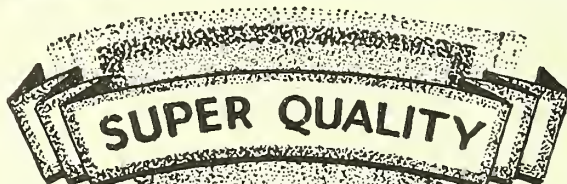
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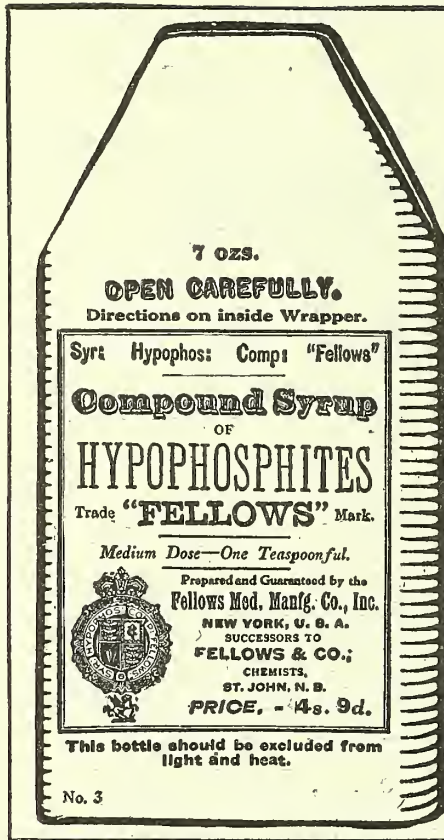
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UNITED KINGDOM
& CHANNEL ISLES—**
Messrs. Jones, Radford
& Co. Ltd., 80 Coleman
St., London, E.C.2.

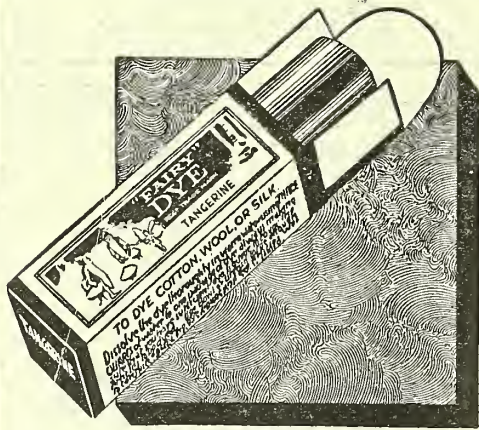
Supplies obtainable
through your usual
Wholesaler or direct
from makers:

**"LACEYS" (LONDON) LTD., 89 New Oxford St., LONDON,
W.C.1.**

"Lacey's" REDUCING CHEWING GUM ADVERTISEMENTS

appear in these National News-
papers and Magazines:

Daily Mail, Daily Mirror, Daily Sketch,
News of the World, Empire News, People,
Sunday Pictorial, Sunday Graphic, Sunday
Chronicle, Sunday News, Reynolds, Jewish
Chronicle, British Weekly, Modern Weekly,
Picturegoer, Film Weekly, Everybody's
Weekly, My Weekly, Red Letter, Woman's
Way, Weekly Welcome, Woman and Beauty,
Woman & Home, Coming Fashions, Miss
Modern, Modern Woman, Wife & Home,
Theatre World, Glasgow Bulletin, Glasgow
Sunday Mail, Leeds Yorkshire Post, Lady's
Companion.



It pays to Concentrate on Advertised goods

LONDON DEPOT:
292 UPPER STREET, ISLINGTON, N.1

FAIRY DYES, LTD., GLASGOW, N.W.

Fairy Dyes

FAIRY DYES

are well advertised in the National Press and Ladies' Journals. They meet with a large and steadily increasing demand.

Sold at the popular price of 2d. per tube retail—attractively packed. 31 shades and colours.

See that your stocks are up-to-date.

PURE ORANGE WINE

A. MILLAR & CO., LTD., DUBLIN

VINUM AURANTII B.P. Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)
Samples from Head Office, Thomas Street, DUBLIN, or London Office, 74 Great Tower Street, LONDON, E.C.3

BESORBON

(Dr. Hill's Formula)
MEDICINAL SNUFF. ABSOLUTELY THE
FINEST REMEDY FOR CATARRH AND
COLD IN THE HEAD.

Richard Dickeson & Co. (Incorporated with Reynolds, Sons & Co., Ltd.)
57-59 CHARTERHOUSE STREET, LONDON, E.C.1



CERESINE WAX

WHITE BLEACHED CARNAUBA WAX VARIOUS GRADES AND RESIDUE
BEESWAX WHITE, YELLOW AND COMPOSITION PARAFFIN WAX ALL MELTING POINTS
OZOKERITE WAX ALL GRADES

POTH, HILLE & CO., LTD.,

6 Lloyd's Avenue, London, E.C.3.

Works at Stratford, E.

BIG SUMMER ADVERTISING PUSH

FOR
'ASPRO'
OVER **300**
NEWSPAPERS
ENGAGED



A TYPICAL 'ASPRO' WINDOW DISPLAY

Now is the time to put in your 'ASPRO' window displays. Our big summer advertising push for 'ASPRO' is on and over 300 newspapers are being used to broadcast 'ASPRO' healing message for sun glare headaches—hot weather sleeplessness—irritability—summer chills and ills and numerous other complaints for which 'ASPRO' has proved so valuable. Chemists at seaside resorts can obtain maximum sales of 'ASPRO' by showing 'ASPRO' window material continuously through the summer to connect up with the campaign.

THESE ARE OUR CHEMISTS' ADVERTISING BAGS AND ENVELOPES



HAVE YOU OBTAINED A SUPPLY ?

Greaseproof
2 oz. Bags.

Kristal
Envelopes.

We have improved on our Kristal envelopes and greaseproof 2 oz. bags. Have you purchased your stocks yet? Specimens of the latest designs are enclosed in 'ASPRO' show boxes from time to time. We will send you specimens on request. You will be delighted. They save you money on your bags and at the same time create a demand for 'ASPRO'. Prices are

Kristal Envelopes - 2/6 per thousand
Greaseproof 2 oz. Bags - 1/- per thousand

AN ADDITIONAL CHARGE OF 2/6 PER THOUSAND IS MADE FOR KRISTAL ENVELOPES BEARING YOUR OWN NAME AND ADDRESS.

Do not forget too, to buy 'ASPRO' on bonus terms so that you will make the maximum profit.

'ASPRO' consists of the purest Acetylsalicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Agents: **GOLLIN & CO. PTY. LTD. ('Aspro' Dept.), SLOUGH, BUCKS.**
Telephone: **SLOUGH 608**



Made by ASPRO LTD.,
SLOUGH, ENGLAND.

No proprietary right is claimed in the method of manufacture or the formula.

500% SALES INCREASE in just over 3 years

Every week that passes shows the growing faith of the public in Birley's Antacid Powder. In just over 3 years the sales have increased by 500%. Judicious advertising has spread the fame of Birley's far and wide, and for the next six months from July 1st, 1932, we are

DOUBLING OUR ADVERTISING

and have made arrangements to increase the advertising still further in 1933. This will send the sales soaring at a greater rate than ever. Here is a GUARANTEED harmless and tasteless remedy for Indigestion and its kindred ailments that can be taken at any time, and at any age. Customers find that Birley's

Antacid Powder does everything that is claimed for it and it has completely won the public confidence. STOCK IT—RECOMMEND IT. Steadily growing sales, with their generous volume of profit, will result. *Don't miss your share of this RAPIDLY GROWING DEMAND.*

The GREAT INDIGESTION REMEDY

Birley's

ANTACID POWDER

Retail prices 1/3, 3/- & 5/- per tin

ALL WHOLESALE HOUSES CARRY
STOCKS FOR IMMEDIATE DELIVERY

BIRLEY'S ANTACID LIMITED
16 NORTHDOWN STREET
KING'S CROSS, LONDON, N.1

LOSALL'S SALT

SELLS FREELY AND READILY.
PAYS 50% ON OUTLAY.

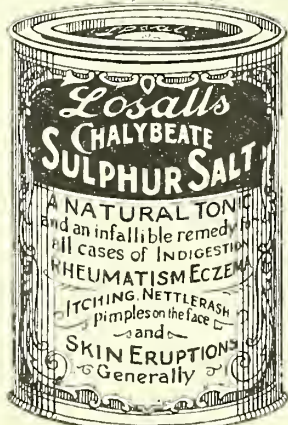
An infallible remedy for

**Gout
Rheumatism
Eczema & Skin
Affections**

P.A.T.A. doz. net
4 oz. tins 1/-, 8/-
8 oz. ,, 1/9, 14/-
Bottles 2/-, 16/-

Attractive advertising
matter supplied on
application.

SOLD EVERYWHERE.



Manufactured by
LOFTHOUSE & SALTMER, Ltd.
HULL.

BUY BRITISH

The (National) British Government, Sept. 1931, said:

"In their expenditure it is hoped that everyone will be vigilant in making demands for BRITISH LABOUR AND PRODUCTS, so that we do not import one shilling's worth of goods more than is necessary."

HARROGATE BRITISH
APERIENT WATER **AQUAPERIA**
(Medicinal)

Try HARROGATE SPARKLING TABLE WATER
"FONTALIS" (slightly saline) with your Whisky

CAMWAL Ltd. Victory House, Swallow St.,
Piccadilly, W.1.

Tel.: GERRARD 5714-5

ARCHANIUM

RECOGNISED BY MANY
DOCTORS AS THE

BEST REMEDY for

**RHEUMATOID ARTHRITIS,
OSTEO-ARTHRITIS, LUMBAGO,
SCIATICA, NEURITIS,
RHEUMATISM.**

Liberal Terms: Write for full particulars to:

Distributors: STAPLETON & SON, Yew Tree Rd.,
SOUTHBOROUGH, Kent.

Rep. in Ireland: R. I. VINT, 6 Elgin Rd., Dublin

Increase Your Energen Trade



Show it on your counter and meet the needs of those Diabetic and Obesity diets.

Energen **MARMALADE**

is eaten with
ENERGEN BREAD



THE
"NO-SUGAR"
FRUIT
PRODUCT
—
DELICIOUS

Retails at 2/3
lb. jar, full weight

Telephone:
Willesden 3771

Energen
FOODS Co., Ltd.
WILLESDEN, LONDON, N.W.

BRAIN SPARKLERS

Shadforth Prescription No. 470, "BRAIN SPARKLERS"—the wonderful Brain Tonic Tablets—make you brighter in an hour and a new man in 2 days. Prices: 1/9 (25), 3/3 (50), 6/- (100)

Every Chemist should hold one of each size in stock

Obtainable from all Wholesalers, or—

Shadforth Prescription Service, Ltd.
63 GROVE ROAD, BOW, LONDON, E.3

OILS

OLIVE B.P.
CREAM SUBLIME
COTTON B.P.C.
CASTOR
CODLIVER NOR-
WEGIAN & CATTLE

DISTILLED WATER in perfect condition from our own stills. Large plant providing quantities for immediate despatch to all parts
We solicit your enquiries for drysalteries generally

FRANCIS F. FOX & CO LTD
BRISTOL & BIRMINGHAM.
ESTABLISHED OVER 100 YEARS

Paraffinum Liquidum

ALL GRADES **B.P.**
SAMPLES & PRICES

On application to —

STERNS LTD

16 Finsbury Square London E.C.2

WHOLESALE ONLY



SOL-VO

REGD

TOILET PAPER

PURE - SOFT - HYGIENIC
(Completely Wrapped)

SELLING AIDS.

A display Showcard and "Personal Hygiene" leaflets with every order.

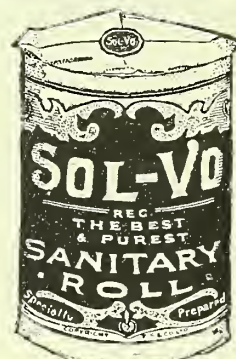
750 perforations to every roll.

A P.A.T.A. line retailing at 9d. each.

No dirty edges, completely wrapped and sealed.

3 Doz. @ 6/- Doz. 6 Doz. @ 5/9 Doz. 12 Doz. @ 5/3 Doz.

CARRIAGE PAID-NET.



FORD, SHAPLAND & CO. LTD.

PRINTERS & WHOLESALE STATIONERS,

GREAT TURNSTILE, HIGH HOLBORN, LONDON, W.C.1

WHY NOT LET
BAISS BROTHERS & CO. LTD.

QUOTE YOU FOR YOUR
DRUGGISTS' SUNDRIES

COMPETITIVE PRICES FOR ALL
N.H.I. DRESSINGS
SPECIAL RATES FOR CONTRACTS

ASK FOR SAMPLE AND PRICE OF OUR
Standard Absorbent Cotton Wool
IN DELIVERIES of 1 cwt. CARRIAGE PAID

*DRUGGISTS' SUNDRIES AND SURGICAL
REQUISITES of every description Stocked*

BAISS BROTHERS & CO., LTD.
174-176 Grange Road, Bermondsey, S.E.1

Telephone :
BERMONDSEY 1301 (3 lines)

Telegrams :
"Ipecac, London."

SQUIRE'S PHARMACOPŒIAS OF THE LONDON HOSPITALS

NINTH EDITION

Published by J. & A. CHURCHILL
40 Gloucester Place, London, W.1

A systematic comparison of the formulae of thirty-one of the London hospitals, including the Children's Hospitals and the French Hospital. The formulae are arranged under the headings of the various preparations so that an immediate comparison may be made between the prescriptions of the different institutions.

THE BRITISH MEDICAL JOURNAL says—"The value of the book to the medical profession is even greater than that of its predecessor, since it comprises a practical compendium of all the best medical treatments."

THE LANCET says—"There can be no question of the practical utility of a book which presents an exhaustive comparison of the pharmacopias of the London hospitals, for in these institutions the formulae will be selected for the best reasons which the knowledge of the day can furnish, while their selectors represent leading authorities on all therapeutic questions."

Price 12s. 6d. per copy. Post Free (inland) 12s. 11d.

SQUIRE & SONS, LTD.
413 OXFORD ST., LONDON, W.1

Telegrams : "SQUIRE, WESDO, LONDON."
Telephones : MAYFAIR 2307 (2 lines).

CHU-CHUS retail @ 1/-

and

CHU-CHUS in tins

NEW SIZE

retail @ 1/3

BICKIEPEGS
REGD.

BROTH

retail @ 2/-

TEETHING

BISCUITS retail @ 1/-

WM. EDWARDS & SONS, 14/18 Nile Street, LONDON, N.1

IMPORTANT

Finance Act 1932 (Section 12)

**MASON'S
EXTRACT OF HERBS**

At the request of the Customs & Excise we have submitted specimen wrappers and labels of Mason's Extract of Herbs and our other Extracts, together with Showcards, handbills and advertising matter and have received the following reply:

July 26/32

"With reference to the show-cards and labels submitted by you on the 23rd. I am directed to inform you that they have been examined at the chief office. The decision is that nothing in any of the labels or cards submitted contravenes section 12 of the Finance Act, and that you are at liberty to use them without alteration."

From this you will gather that the position is exactly the same as it was before the Customs and Excise issued their circular in June last, and that we are quite in order in making use of the word "beer" in connection with our advertising material.

We would strongly impress upon our customers the advisability of giving as prominent a display as possible to any of our showcards they may have on hand.

Requests for advertising material will receive our prompt attention.

NEWBALL & MASON, LTD., NOTTINGHAM.

Best sellers

The public is asking for **ZEAL CLINICAL THERMOMETERS** because they are: **GUARANTEED TO STAY ACCURATE CONSISTENTLY ADVERTISED**

Made by

ZEAL

-the name the public knows.



G. H. ZEAL, LTD.,
75 & 77, St. John St., London, E.C.1.



A SMALL DISPLAY

WILL INCREASE YOUR SALES

P.A.T.A. PRICES

| CRÊPE BANDAGES | |
|----------------|--------------------------|
| 2" | 2 1/2" 3" 3 1/2" 4" |
| Cost | 12/- 15/3 18/3 21/3 24/3 |
| Sell | 1/6 1/11 2/3 2/8 3/- |
| CRÊPE BINDERS | |
| 6" | 8" 11" |
| Cost | 26/3 35/6 66/6 |
| Sell | 4/6 6/- 8/3 |

"NORVIC" Crêpe Bandages and Binders are universally recognised by Hospitals and medical men as the highest possible quality and are highly recommended for their exceptional elasticity and durability. When you are asked for Crêpe Bandages or Binders, always offer "NORVIC" and ensure complete satisfaction.

Attractive showcards free on request from all the leading wholesalers.

Sole manufacturers:—Grout & Co. Ltd., 35 Wood St., London, E.C.2

"SURCO"

RELIABLE

ELASTIC HOSIERY

SEAMED & SEAMLESS

For special garments to measure we maintain a 24 hour service.

:: BODY BELTS ::
TRUSSES :: SUNDRIES

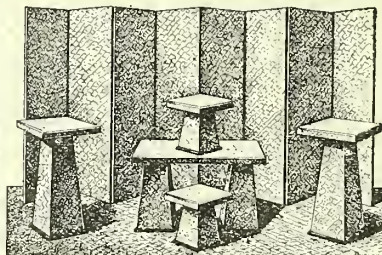
Write for Catalogue.

SURGICAL HOSIERY CO., LTD.

Russell Street :: NOTTINGHAM

Telephone No.: 75903. Telegrams: SURGICAL, NOTTM.

Something New for Your Counter or Window Display.



Dudley's Regal Display Set

No. G.D.F. 5143

A unique set which is ideal for the display of Toilet Preparations, Perfumes, etc. It consists of 1 Folding Background, 5' 4" x 30" (in 2 pieces), together with 6 Artistic Pedestals, 2 14", 2 10 1/2", 2 6 1/2". Constructed throughout of stout millboard covered in "Regal" grained gilt paper. complete

DUDLEY & COMPANY LTD.

Holloway Road, London, N.7

City Showrooms - - 65 65 Fore Street, E.C.

SANITARY TOWELS



The ORIGINAL and Most Popular

The "K." All wool in knitted cover, very soft.

The "CELTEX." Made of Cellulose for easy disposal.

FROM YOUR WHOLESALE HOUSE, PLEASE

SOUTHALLS

SALES—SATISFACTION

for YOU

for Your Customers

When you sell Sherley's Dog and Cat Medicines you have the satisfaction of knowing that your Customers will be Satisfied, and they will come again. These popular lines are renowned for their Purity, Safety and

Efficacy, and the Extensive Advertising Campaign which is always in operation ensures a steady and continuous demand. They show good profits and are supplied on terms which eliminate all risk of loss.

DOG OWNERS ARE INSISTING ON SHERLEY'S

SHERLEY'S DOG & CAT MEDICINES

QUANTITY TERMS

—are available for SHERLEY'S Tonic & Condition Powders and Worm Remedies—now packed on attractive Display Cards. Also for £2 Assorted Parcels.

Full Literature and Sales-Compelling Show Cards are available. Send a Postcard for particulars to :—

A. F. Sherley & Co., Ltd.,
18 Marshalsea Road,
LONDON . . . S.E.1.

**LACTOL AND
LACTOL BISCUITS**

ONLY A SMALL LINE

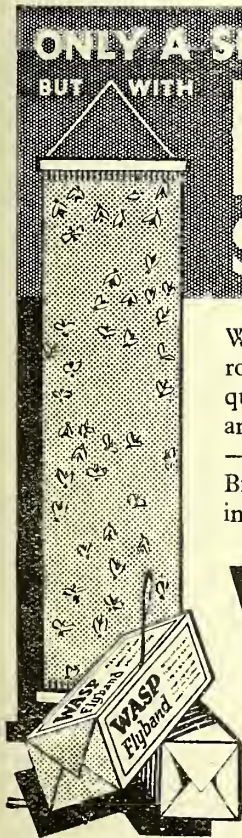
BUT WITH

HUGE SALES!

Wasp Flybands take up no room on your shelves—cleanest, quickest and best flycatcher—are always in perfect condition—never any 'dead' stock. British-made—brings astounding repeat sales.

WASP FLYBAND

Manufactured by :—
F. W. Hampshire & Co. Ltd.,
Sunnydale, Derby.



PROOF!!!

Rodine Display Pays

A Chemist in Finsbury Park writes :
"24th June, 1932. We thank you for the liberal supply of advertising and show material sent on previous occasions, and we have proved that the display of Show-cards and distribution of circulars have not been in vain. A customer reported that he found 14 dead rats as the result of using a 7½d. tin. He bought a second one and came in to tell us that he had found another very large rat dead which seemed to be the last one left."

It pays to display Rodine. Circulars and Show material will be sent on request.

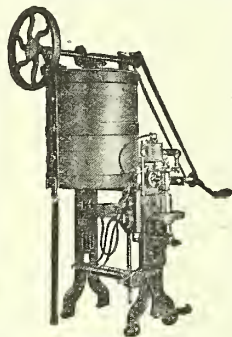
T. HARLEY, M.P.S.
Rodine Works, PERTH, Scotland.



Roberts' Original Patent BOTTLE FILLING MACHINES

The record makers in speed filling with cleanliness. Foot-Operated Machines. From £5 5s. Hand-Operated Machines. From 36/-

Soundly constructed, simple in action, easy to clean.
NEW PATENT SHALLOW TIN FILLING MACHINES



"ROYAL"

Automatic CAN FILLING MACHINES, MIXING MACHINES, CORKING MACHINES.

NEW PATENT ACCESSORIES TO "NELSON," "VICTOR" and "NAVY" BOTTLE FILLING MACHINES enable them to be used as Vacuum Fillers, Gravity Fillers or Pressure Fillers at will.

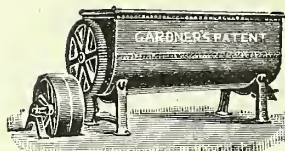
WRITE TO-DAY TO

ROBERTS' PATENT FILLING MACHINE CO.

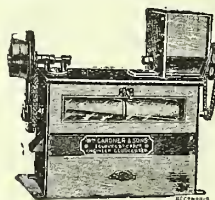
33 Roundcroft Street, BOLTON, LANCs.

All rights reserved.

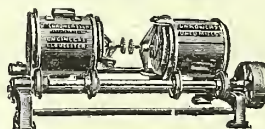
GRINDING SIFTING MIXING



Patent "Rapid" Mixer.



Patent "Rapid" Sifter.



Gardner Ball Crushing Mill.

for Chemical purposes must be rapid, super-fine, of laboratory accuracy, and absolutely consistent.

Gardner machines perform all these operations in the most efficient way.

They are economical and efficient; a high standard is maintained in the quality and quantity of their output.

Details and Catalogue of all Gardner plants from

WM. GARDNER & SONS (Gloucester) LTD.

BRISTOL ROAD, GLOUCESTER

Telephone: 2288 (2 lines).
Telegrams: "Gardner, Gloucester."
London Office: 19 Gray's Inn Chambers,
20 High Holborn, W.C.1.
Telephone: Chancery 7341.

SOAKING BRUSHING & RINSING EQUIPMENT

for anything from a Vial to a Winchester!

WE have in the printer's hands a new booklet dealing thoroughly and practically with all equipment cleaning problems from those of the Dispensing Chemist to the Large Manufacturing Chemist. May we send you a copy, as soon as it is released? Please apply early (on your usual business heading) as the edition is limited.

Write for List No.45

THOMAS HILL

ENGINEERING Co. (HULL), Ltd.
Park Lane, Stepany, HULL

DISTILLED WATER

AT

$\frac{1}{3}$ d. PER GALLON

By using Brown's Patent Automatic Water Stills pure distilled water may be obtained at the above cost, using steam at any pressure between 30 and 100 lbs. per square inch. The product is pure distilled water, not condensed water from steam service pipes.

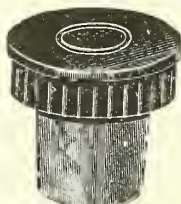
Full particulars free on application. Enquiries are not followed by personal call.

MADE ALSO FOR GAS HEATING

BROWN & SON, LTD
Alembic Works, Wedmore St., London, N.19

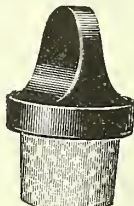
STOPPERS

AND BAKELITE SCREW CAPS



200 Varieties
Any Colour.

A suitable Composition Stopper will enhance the selling value of your package. Let us fit your Bottles and quote you.



T. WEBSTER & Co., Ltd. Telephone: Mountview 0952
Dlamine House, Middle Lane, Hornsey, LONDON, N.8

ZULO CARBOY HAMPERS



GLASS CARBOYS
DEMIJOHNS
WINCHESTERS
CARBOY TILTERS

R. & H. LEIGH & SONS LTD.
--- BOLTON ---

Perfumery boxes

Robinsons of CHESTERFIELD.

WHEAT BRIDGE MILLS, CHESTERFIELD & 168, OLD STREET, LONDON, E.C.1.

WE SUPPLY
DECORATED TINS
FOR PACKING
OINTMENTS
AND OTHER PRODUCTS.

SAMPLES AND PRICES UPON REQUEST.

THE CALDICOT TIN STAMPING WORKS LTD.
CALDICOT, Nr. CHEPSTOW, Mon.

MIND YOUR MONEY

with a **Monarch Cash Register**

Our latest model with all up-to-date features is worth your attention. Six sizes, registering 3/11½ to £3/19/11½

Send for particulars and details of easy purchase terms.

An All-British Triumph

CLEDHILL'S 16 TRINITY WORKS HALIFAX ENG.

WINNER STOCKING DYES

Make **OLD, FADED** or **SPLASHED** STOCKINGS of any material like **NEW** again.

Smartly packed in Waxed Tubes and Cartons. Supplied in 12 Latest Stocking Colours — Copper Beech, Suntan, Nude, New Brown, Beige, Bulrush, Cocoa, Florence Mills, Rose Glow, Smoke Grey, Dago, Gunmetal.

Price 2/- per dozen. Retail 3d. per Tube. Very attractive Display Case free with 1 gross.

Order to-day from:
WHITAKER & CO. (Kendal) Ltd.



WINNER HOME DYES

THE FINEST OBTAINABLE for **WOOL, SILK, COTTON**, etc.

Smartly packed in Waxed Tubes and Cartons. Supplied in 24 Specially Concentrated Fast Colours:—Black, Navy Blue, Blue, Saxe Blue, Royal Blue, Fawn, Brown, Dark Brown, Nigger Brown, Purple, Lavender, Mauve, Green, Dark Green, Emerald, Red, Pink, Cherry, Old Rose, Grey, Cream, Yellow, Orange, Brick.

Price 2/- per dozen. Retail 3d. per Tube. Very attractive Display Case free with 1 gross.

DYE SPECIALISTS for Chemists, KENDAL, ENG.

PRECIPITATED CHALK

LIGHTEST—MEDIUM—DENSE.

And All Other Grades To Suit Every Purpose.

CHEMICALS FOR ALL INDUSTRIES.

Phone: Mansion House 7300. Tel. Add.: "Levermore, Phone, London."

A. LEVERMORE & CO. LTD. ABC Codes,
110 CANNON STREET, LONDON, E.C.4. 5th & 6th Editions.

GUMS

TRAGACANTH
and ARABIC

As Imported or Finely Powdered

WHITE SHELLAC

FREDK. FINK & CO., 10 & 11 Mincing Lane, London, E.C.3
Telephone: ROYAL 5094.



SHADEINE

FOR TINTING GREY HAIR

This popular article is largely advertised and stocked by all Wholesale Houses.

| | | | |
|-------------------------|----|----|------|
| Trial size 8d. per doz. | -- | -- | 6/- |
| 1/4 size, per doz. | -- | -- | 12/- |
| 2/6 size, per doz. | -- | -- | 24/- |
| 1/2 size, per doz. | -- | -- | 36/- |

The SHADEINE Co. 58, Westbourne Grove, London, W.2

Increase Your Developing and Printing Service!

Make use of our really useful series of D. & P. books, also our Printed Aids to Selling. Interesting range of samples post free.

BURALL BROS. The Patent Label Factory,
WISBECH, CAMBS.

NEW DAYLIGHT SIGNS

Any COLOURS that as a Board NO MIRRORS

UPRIGHT or HORIZONTAL

Single Signs SECURE SALES

Brilliant at all angles
NOT A DUST TRAP

Can also be adapted for—
Box Electric Signs
PROJECTING WINDOW & VAN SIGNS, FACIAS & ETC

Send for PRICE LISTS & PHOTO ILLUSTRATIONS.

National Advertisers size 14x10 Double Sided, with Brackets, in Quantities 146 complete

ALLAN Mfg. Co. Ltd. 37 Farringdon St., E.C.4

**WHOLESALEERS
PLEASE NOTE**

Attractive sole agency terms can be secured in many districts for Hobson's Black Beer (non-intoxicating), "Danzovin" Tonic Wine, etc. These lines are consistently advertised to the public. There is a good demand. Own name literature supplied.

Write us for agency terms.

JOSEPH HOBSON & SON, Ltd., Regent St., LEEDS
Phone: LEEDS 25270
Telegrams: "SPRUCE," Leeds

"MUNA" Service D & P

Daily Collection and Delivery in Birmingham area.
Same Day Postal Service.

ENLARGEMENTS. Colour Work.

Munns Bros. Ltd. 45/57 Summer Row Birmingham

DISCOUNT 40% & 2 1/2

THE "SAFEGUARD"

BRAND OF RUBBER GOODS

Are SUPPLIED to CHEMISTS & DRUGGISTS ONLY
FINEST QUALITY. HYGIENIC PACKING

Write for Samples and Prices.

BURGE, WARREN & RIDGLEY, LTD.

91/92 GREAT SAFFRON HILL, E.C.1

Phone: Holborn 0050. Telegrams: Druggsund, Smith, London.

MORFI RUBBER PRODUCTS

KAYDOR LTD.

30 Howland Street

Telephone: Museum 9143.

LONDON, W.1

Chemists' Fittings

When you want Shop Fittings it will pay you to send to

GEORGE COOK

The Chemists' Working Shopfitter,

27 Macclesfield Street, City Road, LONDON, E.C.1

30 years' experience.

Rough Sketches free.

Cachet CLOSING and FILLING machines

4/6 to 47/6

to suit all Dispensing Requirements.

WRITE FOR ILLUSTRATED LIST.

THOS. CHRISTY & CO., 4-12 Old Swan Lane, LONDON, E.C.4.

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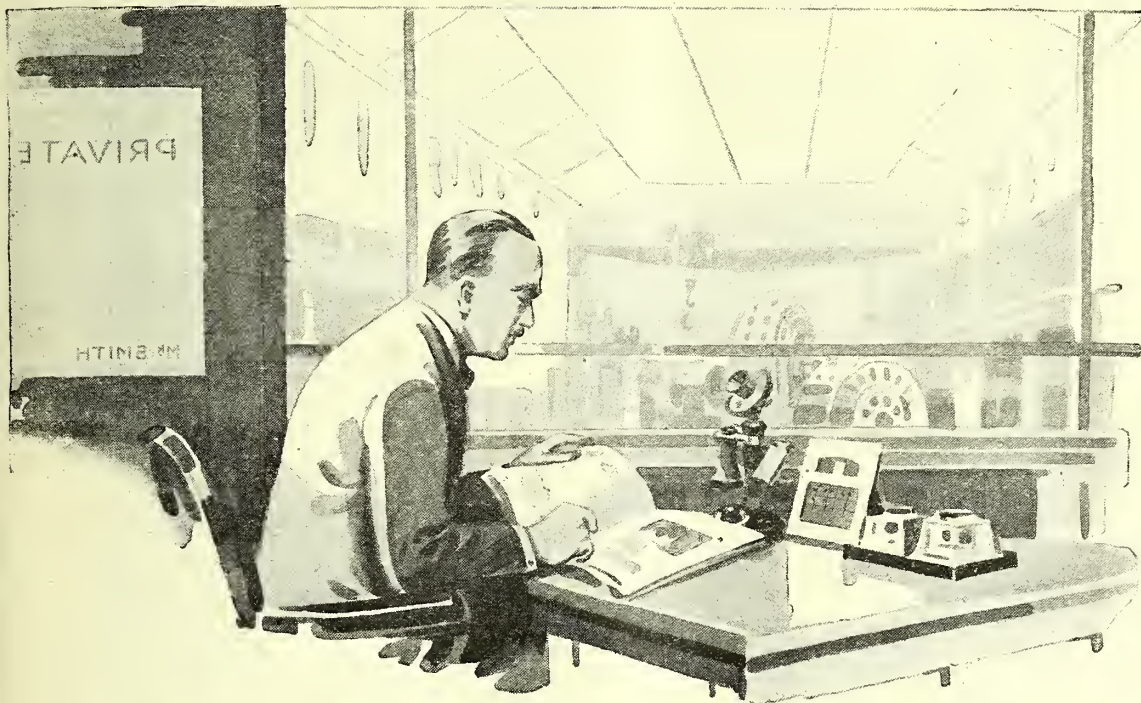
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DEAR SIR : It is difficult to write this letter to you because, as a matter of fact, you don’t exist. Like every other business man, you use and *depend on*, advertising. You may not know it, but you do. Every letter you write to a prospective customer is an advertisement, every call your travellers make is an advertisement, your plant is an advertisement, your products themselves are an advertisement once they have left your Works. For advertising is the art and science of “making known” and if you did not make known your products, whether they be battleships or shuttlecocks,

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As your business would be impossible without advertising in some shape or form, is it not worth your while to take advantage of those methods of publicity which have proved their soundness in all branches of commerce through a generation or more of drastic testing? Is it not worth your while to discuss the matter with an expert whose whole existence depends on his ability to create sales for his clients? Call on such a man without delay, discuss your problems with him frankly, and let him be the architect of your greater fortune in the brighter days which lie ahead.

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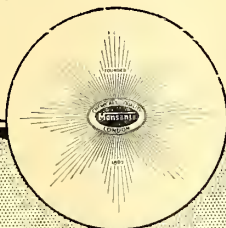
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LITTLE LIVER
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VEGETABLE LIVER

THE CHEMIST AND DRUGGIST

28 ESSEX ST.
LONDON, W.C.2

SUPPLEMENT

AUGUST 6, 1932.

This Supplement is inserted in every copy of The Chemist & Druggist.

THE CHEMIST AND DRUGGIST SUPPLEMENT

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ALL ADVERTISEMENTS are PREPAID, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

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2.—LONDON, N.W.—(Good-class Suburb).—Light Retail and Dispensing Business in good-class locality; returns £3,500; modern double-fronted shop, very well fitted; stock worth almost £1,000; vendor has purchased another business and is therefore desirous of selling without delay; price £2,000, to include book debts.

3.—BROMLEY.—Cash Retail Business with Kodak Agency; returns exceed £1,500 per annum, under management; single-fronted lock-up shop; rent £1 weekly; long lease; price £500.

4.—LONDON, S.W.—General Retail Business, with N.H.I. and Kodak Agency; returns last financial year £1,856, under management; double-fronted lock-up corner shop; stock and fittings about £650; rent £2 per week; held on lease; price £950, or valuation terms entertained.

5.—KENT.—Good-class Dispensing and Retail Business with Medicated Wine Licence; established 10 years; returns approach £3,000 per annum, with gross profit 35 per cent.; double-fronted shop in semi-main road; stock and fixtures worth about £1,000; new lease; rent £65; price about £1,600, or valuation terms entertained; vendor would consider Partnership with a view to adding Optics.

6.—CITY BUSINESS (Death Vacancy).—Cash Retail Business; returns last year, under management, £3,943; gross profit £1,543; chartered accountant's figures; price £2,250.

7.—LONDON, N. (Few Miles Out).—General Retail Business, with Kodak Agency and N.H.I.; returns about £750 per annum, with net profit one-third; single-fronted shop; six-roomed house; rent £35; held on lease; renewable at £40; price for quick sale £500, or valuation of stock and fixtures.

8.—HAMPSHIRE.—High-class Retail and Dispensing Business, with Kodak Agency; returns exceed £2,500 per annum;

gross profit £1,000; double-fronted shop, very well fitted and stocked; splendid living accommodation; rent £160; long lease; price for quick sale £1,950, or £400 and valuation of stock and fixtures.

9.—WESTCLIFF-ON-SEA.—General Retail Business with Kodak Agency; established 11 years; returns last year £1,623, with net profit £405; double-fronted shop; rent £55 per annum; sub-let £52; price £675.

10.—GLOUCESTERSHIRE.—Good-class Retail and Dispensing Business; 5,000 private prescriptions per annum; returns last year £1,960; net profit £400; double-fronted shop, well fitted and stocked; rent £85; new lease; price £1,250, or near offer.

11.—EASTERN COUNTY (Health Resort).—Good medium-class Cash Retail Business, with N.H.I. (about £60 yearly); returns exceed £3,000 per annum; good profits; corner shop, well fitted and very well stocked; very nice living accommodation; rent £110; one room sub-let at £20 per annum; lease has about 38 years unexpired; price £2,250, or valuation terms entertained; this is a genuine concern and offers scope for increase.

12.—BUXTON.—General Retail and Dispensing Business; established many years; returns last year £1,500; gross profit 45 per cent. and net profit 27 per cent.; rent £65; held on lease; price £1,000, or valuation terms entertained.

13.—BOURNEMOUTH (Near).—Cash Drug and Herbal Store; returns last year £1,597, with gross profit £633; corner shop; good fittings and ample stock; new lease at rental of £75; price asked £750; also two other Drug and Herbal Stores, price £500 and £550 respectively; part payment entertained; we are informed that these businesses offer scope for considerable increase.

14.—NORTH DEVON.—General Retail and Dispensing Business, with side-line; returns £2,350; books audited; average net profit £500; large double-fronted shop, well fitted and stocked; terms, valuation of stock and fixtures, plus £500 for goodwill, about £1,500 in all; the property must also be purchased; existing mortgage can be taken over.

Chemists' Transfers, Valuations for Sale, Stocktaking & Probate

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2.—SOUTH COAST RESORT.—Good-class Family and Toilet trade; easily worked; returns £1,336; net profit £323; audited figures; rent £50; house attached; stock and fixtures worth £800; price £1,250.

3.—MIDLANDS.—Old-established Business in central position of busy market town; returns average over £1,450; plenty of scope; good house; same hands many years; price valuation, plus small goodwill.

4.—NORFOLK.—Good old-established Country Business in small market town; returns £1,500; net profit £300; assistant kept; rent £45; good house and nice garden; stock worth £600; price £850; worth attention.

5.—NORTHERN SUBURB.—Good-class Business, pleasantly situated in growing residential district; turnover over £2,100, under management; handsomely fitted pharmacy, with good house attached; valuation terms arranged, in all about £1,500.

6.—EDGWARE (Near).—Good-class Family and Dispensing Business in prominent position of good residential district; returns average £3,450; books audited; bold, attractive pharmacy; fully stocked; price £2,250, or near cash offer.

7.—VICTORIA PARK (Near).—Death vacancy. Profitable Cash Retail; no near opposition; returns average £1,300; net profit £320; good house; rent £75, on lease; price £700.

8.—HERNE BAY.—Good-class Family and Dispensing Business, in best residential part; returns last year £1,850; no near opposition and plenty of scope in energetic hands; hand somely-fitted pharmacy, with large house; long lease; price £1,500, or offer.

9.—WESTCLIFF-ON-SEA.—Good-class Business for immediate sale; turnover over £1,600, increasing; easily worked; rent £55 on lease; sub-let £52; thickly populated district; no near oppo sition; genuine private reasons for selling; price £675.

10.—DEVON COAST (Death Vacancy).—Neglected Business in small seaside resort; returns about £1,250; plenty of scope modern premises; splendid garden, etc.; price £850.

11.—ESSEX COAST (Near).—Well-established Chemist's Busi ness, with good Photographic connection, in popular yachting centre; returns £2,150; books audited; low rent on lease; fully stocked; price £1,250.

12.—KENT.—Well-established Chemist-Optician Business. Chemist's returns £30 weekly; Optical, £10 weekly; good profits; self-contained flat over; stock worth £560; price £950, or offer.

13.—SURREY (Banks of Thames).—Cash Drug and Photo graphic Store, in good position, and showing steady increase; returns last year £1,500; net profit £374; lock-up shop; stock worth £500; price £860.

14.—ILFORD.—Good-class Business in prominent corner posi tion; main shopping thoroughfare; returns approximately £30 weekly; scope for increase; modern fitted pharmacy; good stock; price simply valuation, between £600 and £700; no goodwill.

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(C3) LONDON, S.W.—Attractive pharmacy with Medicated Wine Licence, situated on busy main road of working class district; optical connection; good opening for dentistry; present returns approximately £21 weekly, with scope for considerable increase; small living accommodation; rent, lease and purchase price by negotiation. (Visited and recommended.)

(C4) SOMERSET.—Old-established retail business, situated in country market town; present returns £20 to £25 weekly, with undoubted scope for considerable further development; good reasons for disposing; owner open to reasonable offer. (Awaiting visit.)

(C5) HERTFORDSHIRE.—Good class retail business, at present doing approximately £30 to £32 weekly, and increasing; accountants' figures available; modernised premises (lock-up), well stocked and fitted; rent £60 per annum; further particulars in confidence to bona fide prospective purchasers. (Awaiting visit.)

(C6) HAMPSHIRE.—Seaside business with living accommodation; average returns for past three months approximately £25 weekly; rent £68 on lease; purchase price £800, which includes only a small goodwill. (Visited and recommended.)

(C7) GLOUCESTERSHIRE.—Good dispensing and general retail pharmacy with optical connection, for which there is particularly good scope for further development; returns for 1931 approximately £1,950, which was an increase over the previous trading year; good living accommodation; lease and rental by arrangement; further particulars in confidence to bona fide prospective purchasers. (Awaiting visit.)

An established limited company require immediately, for purposes of amalgamation, about 20 sound businesses within a 20-mile radius of London. Owners of businesses showing returns of £35 weekly and upwards, where the overhead charges are reasonable, and who for any reason are contemplating removal, are invited to communicate with the London Office as above. All information will be treated in strict confidence, and an early visit arranged in order to discuss matters in detail.

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ANYWHERE.—Cash Drug Store required by unqualified man, with scope for increase under personal supervision; cash payment immediately up to £1,000; must bear strictest investigation; fullest particulars of turnover, gross and net profit, rent, rates, price, fittings, and living accommodation, if any. D. Douglas, 109 Hurlingham Road, London, S.W.6.**CHEMIST** wishes to purchase Business showing net profit £500; advertiser will respect confidential details and will negotiate with minimum of fuss and publicity; references exchanged in first instance. Write "Chemist," Bramshott, High Wood Road, Uttoxeter.**ERNEST J. GEORGE,** Sentinel House, Southampton Row, London, W.C.1 (telephone Museum 8340), is in a position to negotiate immediately on behalf of a private client with capital up to £3,000 for the purchase of a sound Business of the right size and type in any part of England. Will interested prospective vendors please write, in confidence, to Sentinel House, Southampton Row, London, W.C.1 (telephone Museum 8340), and if likely to be suitable an early visit will be arranged? Direct private introduction effected if preferred.**LIMITED COMPANY** wishes to purchase for cash a high-class Business in London; turnover not less than £5,000. Replies will be treated in confidence. "M.P.S.," 245/27, Office of this Paper.**SALE BY AUCTION.****Re F. J. Sadd & Co.** Removed for convenience of Sale.
NORMAN'S SALE ROOMS, 5 LITTLE BRITAIN
(close to G.P.O.), CITY.Practically new range of **CHEMISTS' SHOP-FITTINGS,** 10 ft. Drug Run, Wall Showcases, glass fronted and other Counters, Silent Salesmen, Mirrors, Cash Tills, Cash Desk, Office Furniture, Typewriters, Linoleum, Chairs, etc.**B. NORMAN & SON**Will Sell by Auction, at their Sale Rooms as above, Wednesday Next, August 10, at One o'clock. View day prior. Catalogues on application.
Telephone: National 6463.**PREMISES TO LET.****FIRST-CLASS Modern Premises,** Tottenham Court Road, Euston Road district, suitable for Factory, Warehouse and Office purposes; light, airy and dry; 12,000 ft.; electric lift throughout building; central heating; separate goods entrance; excellent condition throughout; rent £1,000. Write 119-125 Whitfield Street, London, W.1.**APARTMENTS.****RESIDENTIAL CLUB FOR GENTLEMEN.**
HAMPDEN CLUB, Hampden Street, N.W.1, close to King's Cross Station. Large club rooms. 300 bedrooms and bed-sitting rooms, 15s. to 25s. per week. Illustrated Prospectus, Secretary. Museum 3424.

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WHO can form a British Branch for the sale of Parisian Perfumery and Toilet Goods, competitive once duties paid and with support of publicity? Kindly write with all details and full proposal to 207/440, Office of this Paper.

PARTNERSHIP.

QUALIFIED lady Chemist to enter into a Partnership with a lady already having an established pharmacy. Write "J.," 245/33, Office of this Paper.

SITUATIONS OPEN.

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HALESWORTH, SUFFOLK.—Messrs. Gostling & Co., Agricultural and Dispensing Chemists, need unqualified Junior temporarily for about two weeks, end of August, whilst permanent assistant is on holiday; comfortable indoor quarters; easy job. Particulars, with salary (which must be reasonable), indoors, to Mr. Keeble, as above.

LONDON CLINIC & NURSING HOME, LTD., 20 Devonshire Place, London, W.1, temporary post vacant for a young qualified Pharmacist; possibility of permanency; salary £200 per annum, lunch and tea. Apply, stating age, experience, and when at liberty, to the Pharmacist not later than the 10th August, 1932.

LONDON.—Manager (experienced) required for up-to-date Store business. Applicants should give full particulars of experience (which will be treated in strict confidence), age, height, salary expected to 247/27, Office of this Paper.

LONDON.—Assistant wanted; state age, salary required, when disengaged; must be smart Counterman for quick Counter trade. 247/16, Office of this Paper.

MANCHESTER (near).—Qualified man for new pharmacy; must be good Dispenser, Salesman and Window-dresser. Please state age, height, and salary required (which must be moderate for commencement); enclose copies of references. 245/26, Office of this Paper.

SOUTHEND-ON-SEA.—Registered Manager wanted soon, age under 35; must be fit and active, and accustomed to good middle-class business; hours 8.30 till 8.30; alternate Sunday duty; local man preferred; salary £3 10s. weekly and commission. 246/23, Office of this Paper.

A. G. CHAMBERLAIN (CHEMISTS), LTD., require young, qualified Assistant for high-class Dispensing and Counter business; must be of good appearance and address. Full particulars and photograph (if possible) in first letter. 3 Market Place, Rugby.

AN outdoor, unqualified Assistant, with 10 or more years' experience, required by S. N. Hopkins, 106 High Street, Wardsworth, S.W.18. Phone Putney 1160 for an appointment.

BRANCH Manager (London) required immediately by multiple shop company; must be qualified, experienced, fully capable, energetic, reliable, and proved business builder; investment £500; good salary, plus bonus on own turnover. P.C.B. 44/7, Office of this Paper.

EARLY SEPTEMBER.—Qualified Chemist and Optician, of good experience, in high-class Retail and Dispensing, with Photographic, as Branch Manager; must possess unimpeachable references as to character and business capabilities; preference given to a successful salesman of good address and desiring a permanency; selected applicant may, if so disposed, take some financial interest in the business. State full details, confidentially, in first letter, of previous experience, qualifications in Optics and Pharmacy, age, height, married or single, salary required, and enclose photo (returnable) to "Progressive," 245/24, Office of this Paper.

HUBERT B. FIGG, Chemist, Berkhamsted, will require, early September, a qualified man for branch management. Send full particulars with first letter.

MANAGER, qualified, about 30, married preferred, for good medium class suburban business, London, S.W.; Optics an advantage, but not essential; exceptional opportunity for tactful Salesman, capable of business building by sound progressive methods; succession entertained later if suitable; salary £4 10 weekly, with commission and good house over shop rent free commencing September 12. State age, height, details of experience, and when free for interview. 245/28, Office of this Paper.

PERMANENCY.—Unqualified Assistant required, used to good class business; must be good Window-dresser, Counterman and accurate Dispenser, and with a knowledge of Photography. Apply, with full particulars, to Suburban Chemists, Ltd 225 High Road, Loughton, Essex.

QUALIFIED Manager required; must be good Salesman and used to high-class Store trade. Full particulars and photo to Cater, Stoffell & Fortt, Ltd., Departmental Stores, Bath.

QUALIFIED Manager, preferably with Optical qualification wanted, mid-September, for high-class business; good appearance and address essential; sound, progressive position with share of profits offered to the right man. Allison, Chemists Arundel, Sussex.

QUALIFIED lady Locum for one week, commencing August 22; easy berth, with help given; pleasant district near Wimbledon. 246/35, Office of this Paper.

QUALIFIED Assistant, probable Managership, for seaside town, Devon; must be keen business man, preferably with some experience of taking full charge. State age, height, experience, with references, salary asked, and when disengaged. Residence provided if appointed manager; photo. Apply 246/14, Office of this Paper.

REQUIRED, early September, temporary, with possibility of permanency, young, hard-working male unqualified Assistant, of good appearance, not over 25, must be courteous Counterman, experienced Window and Display Dresser, for high class trade in Channel Islands. Write, enclosing photo, references, wages required, to 245/10, Office of this Paper.

REQUIRED, unqualified Assistant (outdoor); West-End business; age 28-35; high-class Dispensing experience essential. Reply, stating age, experience, single or married, salary required. Applications omitting any of above particulars not considered; photograph appreciated (not returnable unless stamped enclosed). 246/37, Office of this Paper.

TIMOTHY WHITES require a really capable, qualified Manager; applicants must be energetic and possess organising ability; good prospects and free removal. Apply stating experience, age, salary required, and full particulars to Assistant Secretary, Timothy Whites (1928), Ltd., Portsmouth.

WANTED, unqualified Assistant for four evenings a week from 7 till 12; W.C. district; no dispensing; one used to usual West-End trade preferred. State particulars and wages expected to 207/456, Office of this Paper.

WANTED, qualified lady (M.P.S.), thoroughly experienced for Pharmacy near London; age not over 35; sound knowledge of high-class Toilet trade essential; must be good Saleswoman, possess initiative, and be keen and energetic; knowledge of Window-dressing an advantage; permanent and progressive post. Write, stating age, height, salary required to commence, and enclose photograph if possible, to Cooper & Co. (Sutton), Ltd., 206 High Street, Sutton, Surrey.

WANTED, immediately, unqualified male Assistant for evening work in North London; must be accustomed to quick and accurate N.H.I. Dispensing. Apply, giving details of experience, to C. F. H. Broad, 80 Blythe Road, West Kensington.

WANTED, an elderly man, qualified, to assist lady in small business on the East Coast, from September 1 to the 15th; permanency probably if suitable; easy berth. State terms, etc., which must be moderate and photo, to 246/2, Office of this Paper. Travelling expenses paid to destination. Age no object.

YOUNG, qualified Chemist required as Dispenser for one week, commencing August 15. Give all particulars in first letter. Applications not answered in three days respectfully declined. Morgan, Chemist, 75 Woodbridge Road, Guildford, Surrey.

PHOTOGRAPHS, TESTIMONIALS, &c.

When answering advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. As can be readily understood, when an advertiser receives from 60 to 100 replies the task of returning photographs, testimonials, &c., is one of some difficulty.

WHOLESALE.

SCOTLAND.—Sole Representative, on commission, required, with proved good connection and owning car, to sell and deliver goods en route which have a heavy sale in England; introduction to commence with exhibit at the Glasgow Exhibition. These are two Medicated lines, i.e., Tablets for Coughs and Colds retailing 9½d. a qr., and Throat, Chest and Lung Tablets retailing 3d. per oz. (boiled sugar and glucose base), for distribution by the Retail Qualified Chemist only. If results satisfactory permanent position on salary and commission will be offered, if greater production matures, to sell the same firm's other products, which have an enormous sale. Apply 207/434, Office of this Paper.

SOUTH WALES.—A vacancy occurs on the Representative Staff of a firm of Wholesale Druggists having a wide connection in South Wales; preferential consideration would be given to a young man who has had previous experience of the territory. Applications will be treated in strict confidence. Write 208/447, Office of this Paper.

An opportunity occurs in Factory of Toilet Article Manufacturers for a young man (about 25) to understudy Chief Chemist; must have Pharmaceutical training, not necessarily qualified, and be hard working and ambitious. Write, stating age, experience, and salary required, to 208/446, Office of this Paper.

LABORATORY HAND.—Vacancy occurs for man used to general Laboratory work, Toilets, Powders, Pastes, Perfumes, etc. Apply (by letter) H. Sardou & Co., 56 Durham Road, Holloway, N.

PARISIAN Perfumery House offers a good position and future to one or two well connected Salesmen for the sale of Perfumes and Toilet Goods of all kinds, competitive in all respects and duties paid. Full details as to qualifications, references and means requested by first letter. 207/439, Office of this Paper.

REPRESENTATIVE required immediately to call on Retail Chemists in Potteries, Nottingham, Lincoln, and part Yorkshire.

Knowledge of Soap and Perfumery trade essential. Applicants must give fullest particulars as regards age and experience, otherwise application will not be considered.

Must reside on territory.
207/438, Office of this Paper.

REPRESENTATIVES, with established connections among Wholesale Houses, wanted all parts to sell, on liberal commission, heavily advertised Medicated Pastille, proprietary of old-established house; only first-class men with unimpeachable records considered. Apply 241/2, Office of this Paper.

REQUIRED by progressive Pharmaceutical House, Representative with sound connection among Chemists, London area; good approach and selling ability, preferably young, qualified, and experienced in the placing of Surgical Products and Proprietary lines. Reply, giving fullest details of previous experience, age, salary required, and if car owner, and which particulars will be treated in strictest confidence, to 207/435, Office of this Paper.

SMART Representative required to call on Chemists; ability to secure and fix advertising on Chemist's shops essential. Write, stating age, salary required, full details of experience and qualifications, and whether able to drive a car, to 208/443, Office of this Paper.

WANTED by a Provincial Wholesale House, competent Laboratory Assistant, about 24 years of age (not analytical work); standard wage. Apply, with full particulars, to "X. Y. Z.," 207/433, Office of this Paper.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require Partners, Agents or Assistants, or wish to Sell their Businesses, an Advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given on the front page of this Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

SITUATIONS WANTED.

RETAIL (HOME.)

2s. for 18 words or less, 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A.A.A.A.A.—LADY Assistant, 26, desires change; Birmingham or Newcastle-on-Tyne and districts; attractive personality, appearance and address; comprehensive experience, Drug, Toilet, Photographic; accurate, speedy Dispenser, excellent Saleswoman and Counterhand; conscientious, enthusiastic worker; thoroughly accustomed to complete charge; excellent references; free one week; interview appreciated. "Dispenser," 108 Clements Road, South Yardley, Birmingham.

A.A.A.—REFERRED Pharmaceutical Chemist, seeks situation as Assistant or Locum; permanent or part time; Window-dressing, Counter, Photography, etc.; 8 years' experience; well recommended; free. "Tonco," 36 Corporation Street, Walsall.

A.A.A.—QUALIFIED; 23; well educated; 6 years' good general; all-round experience; smart appearance; energetic; willing and capable of managing; excellent references; disengaged. 247/22, Office of this Paper.

A.A.—ASSISTANT, 20, requires situation; permanency or Locum; sound knowledge Dispensing, Counter, Photography and Window-dressing; good references; West London preferred, but not essential. "H.," 47 Aldbourne Road, W.12.

A.A.—FULLY experienced; London and provincial; qualified; 36; Counter, Dispensing, Window-dressing, Photography. "J.," 71 Cricklade Road, Swindon.

A.A.—QUALIFIED (July), 21, Square Student, desires permanency, anywhere; sound general experience and training; good references; accustomed to quick good-class trade. Hitchin, 68 Fillebrook Road, Leytonstone.

A.A.—ASSISTANT; unqualified; competent; age 23; energetic Counterman, sound knowledge Dispensing, Photography and Window-dressing. 247/2, Office of this Paper.

A JUNIOR qualified Assistant desires a change; high-class Dispensing, Photography and Window-dressing; London preferred, not essential. 247/8, Office of this Paper.

A QUALIFIED Chemist; 26; capable Branch Manager; 9 years' experience; quick and accurate Dispenser; prize Window-dresser; sound knowledge D. & P.; disengaged one week. W. H. Howes, M.P.S., c/o "Haddon," Cromwell Road N., Whitstable, Kent.

A CTIVE, unqualified, middle-aged; thoroughly experienced; accurate Dispenser; Stock; free now. Fletcher, 91 Duncombe Road, Holloway, N.19.

A S Locum, Relief or General Assistant; over 30 years' experience; Dispensing, Counter. "Prescriber," 130 Scott-Ellis Gardens, N.W.8.

A S Senior; unqualified; long experience; Dispensing, Salesman; good Window-dresser; desires permanency; good references; married. "Chemicus," 22 Henry Street, Rugby.

A SSISTANT (Part I), 35, desires more progressive post; specialised knowledge of Photography (Ciné), Toilet, Window-dressing, Scholls; long and varied experience; used to and able to control staff; present post 4½ years with firm of repute; highest references. Apply 246/15, Office of this Paper.

A SSISTANT, qualified, age 23, 5 years' experience, including Photographic, in good mixed business; good Dispenser and Window-dresser; free. Gilpin, 7 South End Terrace, Penrith, Cumberland.

A SSISTANT requires situation; permanent or temporary; preferably large town; good experience, Dispensing, Photographics, etc. Edwards, c/o T. C. Price, M.P.S., Chemist, Rhayader.

A SSISTANT; 35; unqualified; married; capable Dispenser; thorough experience Retail trade, used busy N.H.I. and Manufacturing, also Photographics; 6 years in Wholesale. "Dispenser," 10 Wills Street, Lozells, Birmingham.

A SSISTANT; unqualified; part time, permanent or Locum; Notts or Derbys districts; thoroughly experienced, Dispensing, Prescribing, Counter, Galenicals; all-round handy man; single; energetic; good references. Howard, 30 Pimlico, Ilkeston.

AUGUST 16-21 (inclusive); Locum; qualified; any offer accepted. "M.P.S.," 9 West Street, Epsom. Phone 9614.

BIRMINGHAM or Midland area preferred, not essential; Locum work undertaken; all-round experience; well recommended; disengaged when suited. "Drugs," 64 Hunters Road, Birmingham.

CAPABLE, unqualified, 25, 10 years' experience, Counter, Dispensing, Windows, Photo, desires change; Brighton, Worthing district; good references. 245/39, Office of this Paper.

CAPABLE Assistant, 24, unqualified, desires situation in South London; 8 years' seaside and London experience in all branches; well recommended. 247/17, Office of this Paper.

EVENING employment; unqualified; 10 years' solid experience; North London preferred. 245/38, Office of this Paper.

EXPERIENCED, qualified Locum, free August 16, for Locum or permanency; capable Manager; good references; married. 245/251, Office of this Paper.

EXPERIENCED, qualified, married, desires responsible post; permanency (or Locum); first-class references; free August 25. "Coombe," The Pharmacy, Northam, N. Devon.

GOOD all-round man desires engagement; permanent or Locum; thoroughly reliable; excellent references. Thorne, 82 Park Road, Exeter.

LADY, qualified, experienced, desires permanency, September; Manageress or Assistant; capable, reliable, and efficient. 245/13, Office of this Paper.

LADY requires post, Dispenser, Book-keeper; Doctor, Hospital or Dispensary; temporary or permanent; 10 years' experience; Hall Certificate. 24 Montem Road, Forest Hill, S.E.23.

LADY requires post; experienced Dispenser (Hall), Secretary, Housekeeper. 246/34, Office of this Paper.

LADY (Hall), thoroughly experienced, Dispensing, Counter, Book-keeping, approved Window-dresser, requires post with Chemist. 247/6, Office of this Paper.

LOCUM; qualified; free; North-East; excellent references; 6½ years' experience. John H. Charlton, 20 Hillside Road, Darlington.

LOCUM for August; Devon or Western Counties; experienced good-class business. Address "J. H.," Somerset Villa, Bloomfield Road, Bath.

LOCUM; unqualified; free except between August 8-13, September 4-18. "Radix," 72 Tremadoc Road, Clapham, S.W.4.

LOCUM (registered N.P.U.); disengaged August 7 to 13 inclusive, August 29 onwards. Wood, 33 Union Road, Croydon.

LOCUM; qualified (35); well recommended; at liberty August 15-September 3; moderate terms. F. R. Smith, 80 Lorne Road, Leicester.

LOCUM, qualified, 34, single, as Assistant or Manager. M. Gregory, 50 Grove Lane, Camberwell, S.E.5.

LOCUM or Manager; qualified; competent; reliable; 20 years' West-End and varied experience; disengaged September 11 to 27 and after October 12 inclusive. "Pharmacist," 18 Stanway Gardens, Edgware.

LOCUM; disengaged; qualified Pharmacist; thoroughly experienced in Retail, first Dispensing, Panel and Institution work; any distance. "Statim," 28 Torrington Gardens, N.11.

LOCUM or permanency; 40; unqualified; tall; Dispensing, Counter, Photography; abstainer; well recommended; disengaged August 20. Alexander, 189 Southampton Street, S.E.5.

LOCUM; thoroughly experienced, with highest references; free August 20; any distance; unqualified. "H.," 131 Mount View Road, N.4.

LOCUM or temporary; unqualified; age 45; West-End experience, etc. "Chemicus," c/o 176 High Street, Hounslow.

LOCUM; qualified; middle age; well recommended; sold own business; active; reliable; any distance. "H. F.," 6 Station Road, Birchington, Kent.

LOCUM; qualified; experienced manager every class of business; free August 8 to 27. W. B. Dixon, The Shaws, Uppermill, near Oldham.

LOCUM; qualified; experienced; disengaged; Yorkshire or near. Stiles, 12 Firbeck Road, Doncaster.

LOCUM; qualified; "Square" trained; West-End experience; Dispensing and Counter; free immediately; any distance. 247/7, Office of this Paper.

MANAGER or Assistant; qualified; best experience, English and Continental; abstainer; middle-aged; moderate salary; Locum work accepted. 245/40, Office of this Paper.

MANAGER or qualified Assistant; 25; tall; eight years' experience, mainly first-class; excellent testimonials; capable manager; Midlands preferred. 247/12, Office of this Paper.

M.P.S., 29, married, requires berth, London area; thoroughly capable man; free shortly; resident in London; salary £4; highest credentials. 245/25, Office of this Paper.

M.P.S., 29, 5 ft. 9 in., married, good appearance, requires permanent position of responsibility; 13 years' high and medium class experience, London, seaside and spa; 4 years' experience as Manager; accurate Dispenser; accustomed heavy N.H.I., busy Counter, Toilets, Photography, Counter Prescribing, experienced display man, and smart Salesman; free shortly; good references; salary £4. 245/250, Office of this Paper.

M.P.S. (London) requires permanency; Manager or Assistant; age 23; tall; English; excellent Salesman and Window-dresser; experienced all branches, including Photography. Ralph Smith, Grosvenor Road, Wrexham.

PART time; disengaged August 29; Dispensing, Counter; many years' experience; excellent references. Crowther, 144 Algernon Road, Lewisham.

PART time; West London; evenings, all day Saturdays; Part II student; reliable, accurate Dispenser. Green, 179 Chamberlayne Road, N.W.10.

QUALIFIED (July Examinations), age 22, tall, requires permanent situation offering experience; accustomed to busy working-class trade; good worker; free. Bougourd, 42 Weston Grove Road, Woolston, Southampton.

QUALIFIED, 32, just completed 4½ years' medium and working-class London experience, desires similar post; energetic and trustworthy. "Pestle," 240/25, Office of this Paper.

QUALIFIED male Assistant seeks post; 23; tall; abstainer; seaside and West-End experience; Dispensing, Counter, Photographic and Toilet; Southern England preferred; free immediately. Fudge, Queen's Road, Blandford, Dorset.

QUALIFIED; Locum or permanency; used to heavy N.H.I.; 9 years' experience; knowledge Photography; willing worker; excellent references; available at once. Sharpe, 69 Gray-shott Road, Portsmouth.

QUALIFIED Chemist, Continental and West-End experience, free alternate mornings and afternoons; make good Representative; London only. P.C.B. 44/11, Office of this Paper.

QUALIFIED Manager, 37, Scot, capable business builder, seeks responsible engagement; Middlesex or London suburbs; thoroughly experienced all branches; keen, ambitious worker; sole charge. P.C.B. 44/12, Office of this Paper.

QUALIFIED; free immediately; Locum or permanent; keen; energetic; all-round experience; capable take charge. Davies, 55 Rectory Road, N.16.

QUALIFIED, 23, 5 years' good experience Dispensing, Photographic and general Counter work, desires position; not afraid of work; free August 24. Walters, 7 Morlais Street, Dowlais, Glam.

UNQUALIFIED Assistant, single, desires permanency in Drug Stores or Pharmacy; 12 years' London experience; £100 available on suitable security. 246/27, Office of this Paper.

USEFUL unqualified Assistant; good Prescriber, quick Counter; 20 years' good all-round experience. Ash, 38 Lydford Road, Paddington, London, W.9.

YOUNG man, unqualified, desires position; Locum or permanency; seven years' all-round experience; disengaged August 9. E. Weatherley, 25 Branksome Road, Brixton, S.W.2.

£3 10s.—A thoroughly capable, qualified man urgently requires berth in London; 12 years' good all-round experience; 4 years as Manager; married; free one week. 245/252, Office of this Paper.

WHOLESALE.

ASSISTANT, 23, studying for Ph.C., desires post with London firm; 2½ years' Wholesale experience, including Tablet Making. Apply 244/35, Office of this Paper.

FIRST-CLASS Representative, prize records, desires position with house of repute, or first-class agencies would be considered; first-class connection and references. 247/24, Office of this Paper.

CLEAR OUT—your Old or Damaged Stock of Photo Goods
Why keep them any longer? Turn them into CASH.
I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers, Cards (any sizes), Old Photo Goods or Cameras, Bromide Papers, Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.
S. E. HACKETT, 23 July Road, Liverpool

MR. L. P. MANTLE, who for the past two years has held an executive position with a well-known Proprietary House, which has now re-arranged its selling policy, will be AVAILABLE ON AND AFTER SEPTEMBER FIRST. Mr. Mantle will be remembered by many as the Representative of Kolynos Incorporated, a position he held for nearly twelve years.

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REPRESENTATIVE, thorough knowledge Drug trade, 16 years' experience calling on Medical Profession, Hospitals, wishes to represent first-class Drug House; excellent connection Bristol, South Wales. Reply 207/441, Office of this Paper.

YOUNG, energetic Agent, commencing in North and Midlands of Scotland, desires additional lines in Drugs, Sundries, Fancies, etc., on part expenses and/or commission basis. Particulars to 244/32, Office of this Paper.

FOR SALE.

(Articles to the value of £5-£50.)

VERY Automatic Weighing Machine; latest improved type; as new; weighs up to 20 stone; average takings 30s. per month; only reason for selling, business sold; cost new £39; price for quick sale, £25. Sneezum, 10 Crown Street, Ipswich.

CASH Register, National, for Sale; small model; adds and checks takings; good working order. Write T. Rollins, 54 Bronson Road, Raynes Park.

CASH Till, "Gledhill" total adder; issues receipt with own advt.; splendid condition; cost £52; a bargain at £25. Tonkin & Son, Chemists, Leamington.

MISCELLANEOUS.

10s. for 60 words or less; 1s. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

FIRST-CLASS PHARMACY, £57 10s.—10 ft. Drug Fixture, 30 drawers, glass knobs and labels, cupboards each side and under drawers; two Show Cases, mirror lined, plate-glass shelves to top section; 6 ft. Mahogany Wall Case; 8 ft. Mahogany Counter, show case front; mahogany and plate-glass Dispensing Screen and Counter, with movable plate-glass shelves. Call or post your requirements. RUDDUCK & CO., 219 and 227 Old Street, London, E.C.1.

LARGE QUANTITY of Second-hand Showcases from £2 upwards (removed from various jobs); Shop Fittings, Counters, etc., at real reductions. Write requirements or call PHILIP JOSEPHS & SONS, LTD., 90/92 St. John Street, Clerkenwell, E.C.1.

CHEMISTS' FITTINGS—We hold an immense stock of Drug Fittings, Dispensing Screens, Glass Fronted Counters, Perfumery Cases, Nests of Drawers, Wall Cases, Silent Salesmen, Upright and Flat Counter Cases, Plate-glass Counters, Cash Tills, Display Stands and Glass Shelves, etc., ready for immediate delivery at competitive prices. Write or call for List. F. MAUND & E. BERG (SHOWCASES), LTD., 175/9 and 336 Old Street, London, E.C.1.

CHEMISTS' Fittings, direct from manufacturer; soundly constructed in oak and mahogany; 8 ft. Drug Run, £18; 6 ft. Dispensing Screen, £14; 6 ft. Showcase Fronted Counter, £8 5s.; 1 ft. Wall Case, £11; 6 ft. Glass Counter, £8 15s.; Counter Case, 10 x 24 x 18, £2 5s., etc. Send now for photographs, or call and inspect. MYERS, Complete Chemist Fitters, 134a Kingsland Road, E.2, near Shoreditch Church. Bishopsgate 2524.

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REMINGTON A Model Cash Till for Sale, 3 to 4 years old, in thorough condition; rings up to £5 19s. 11d.; price new £115; for quick sale £75, or near offer. Apply E. J. GEORGE, Sentinel House, Southampton Row, London, W.C.1. (Telephone: Museum 8340.)

£?—COMPLETE CHEMIST FITTINGS at any price you wish to pay. We have erected in our showroom a Complete Chemist Shop with Metal Shop Front, Window Backs, Correct Window Lighting Signs and Modern Interior Fittings. Apply for Lists. D. MATTHEWS & SON, LTD., "The Liverpool Shop Fitters," 14 and 16 Manchester Street, Liverpool. Est. 1848.

FOR Sale, two heavy Werner-type Jacketted Mixers in sound working condition. Write 207/408, Office of this Paper.

FOR Sale, "U"-shaped Jacketted Drying and Mixing Machines with central outlets; can be inspected. Write 207/409, Office of this Paper.

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FOR Sale, No. 1½ size Disintegrator, excellent condition; also Johnson Filter Press with 12 in. plates by 15 in. diameter. Write 207/417, Office of this Paper.

WANTED, "Rapid" Steam-heated Drying Machine, capacity about 150-200 lbs. Full particulars and lowest price to 207/418, Office of this Paper.

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(Articles up to the value of £5.)

COUNTER SCALES, beam, list price £3 10s., bargain, 25s.; also Trial Case, nearly new, cheap. "Chemist," 247 Mile End Road, E. (East 6595.)

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WEIGHING MACHINE, as Maw's 8/5305. State condition and price. Adames, Chemist, Spilsby.

16-PUNCH STOKES' B.1 ROTARY TABLET MACHINE. State condition and lowest price. 208/445, Office of this Paper.

OPTICAL TRIAL SET for Testing Room. Full particulars and price, Hodgson, 365 Westborough Road, Westcliff-on-Sea.

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